CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Dam, Texas, Presidio Co., State and Federal Government making preliminary plans for giant dam, $60,000,000.

Office, Washington, D. C., Treasury Dept. having plans prepared, $10,000,000.

Office, Washington, D. C., Treasury Dept. having plans prepared, $8,000,000.

Archives, Washington, D. C., Treasury Dept. having plans prepared for National Archives building, $6,900,000.

Loft and office, New York, N. Y., C. G. Edwards having plans prepared, $6,000,000.

Land development, Texas, E. E. Dix & Sons making plans for developing 50,000 acres, $3,000,000-$4,000,000.

Sewers, Greenville, S. C., voted $3,000,000 bonds for sewers.

Elevated viaduct, Oakland, Calif., Key System Transit Co. plans constructing elevated viaduct, $2,000,000.

Flour mill and elevator, Buffalo, N. Y., International Milling Co., plans building, $2,000,000.

Cathedral, Los Angeles, Calif., Scottish Rite Lodges plans building, $2,000,000.

College, California, Trinity Lutheran church plans college, $2,000,000.

Office, New York, N. Y., A. Brisbane having plans prepared, $1,650,000.

Club, Chicago, Ill., J. Stuart Blackton had plans prepared, $1,500,000.

Loft, New York, N. Y., American Bookbinding Co. soon takes bids, $1,500,000.

Power plant, Amarillo, Tex., Kansas City Power Securities Co. soon lets contract, $1,250,000.

Lighting system, Oak Park, Ill., Bd. Local Impvts. plans lighting system, $1,036,000.

Bids Desired

Apartment, Philadelphia, Pa., Aug. 6, R. E. Benckert, Archt., $3,000,000.

Apartment, Chicago, Ill., McNally & Quinn, Archt., prepared plans and taking bids, $1,500,000.

Apartment, Chicago, Ill., A. Story taking bids, $1,500,000.

Temple, Boston, Mass., Aug. 17, by McLaughlin & Burr, Archts., $1,000,000.

Contracts

Hotel, Houston, Tex., R. S. Sterling to D. Hall, $6,000,000.

City Hall, Los Angeles, Calif., Bd. Pub. Wks. to several contracts, $3,084,644.

Insurance, Philadelphia, Pa., Providence Life Insurance Co. to Turner Constr. Co., $3,000,000.

Hospital, St. Cloud, Minn., Sisters of Order of St. Benedict to Hutter Constr. Co., Fond du Lac, Wis., $1,000,000.

Hospital, New York, N. Y., Babies Hospital, to M. Eidlitz & Sons, Inc., $1,000,000

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Aug. 6	Hawthorne, N. J.	July 22
Aug. 9	Sheffield Lake, O.	Aug. 5
Aug. 7	Milwaukee, Wis.	Aug. 5
Aug. 10	Toronto, Ont.	July 22
Aug. 10	Long Island City, N. Y.	Aug. 5
Aug. 11	New York, N. Y.	Aug. 5
Aug. 11	Cleveland, O.	Aug. 5
Aug. 11	Mundelein, Ill.	Aug. 5
Aug. 12	Shippensburg, Pa. Adv. Aug. 5.	Aug. 5
Aug. 12	South Haven, Mich.	July 15
Aug. 12	Pleasant Hill, Mo.	Aug. 5
Aug. 13	Akron, O.	Aug. 5
Aug. 16	Red Bank, N. J. Adv. July 29 and Aug. 5.	Aug. 5
Aug. 16	Ravenna, O. Adv. Aug. 5.	Aug. 5
Aug. 17	Warsaw, Ill.	Aug. 5
Aug. 17	Elizabeth City, N. C. Adv. July 29 and Aug. 5.	July 29
Aug. 25	Providence, R. I. Adv. Aug. 5.	Aug. 5
Sept. 30	Santo Domingo, W. I.	July 22

Sewers

Aug. 9	West Concord, Minn.	July 22
Aug. 9	Albert Lea, Minn.	July 29
Aug. 9	Mundelein, Ill.	Aug. 5
Aug. 10	Powell, Wyo.	July 15
Aug. 10	Ft. Lauderdale, Fla.	July 8
Aug. 10	Boston, Mass.	Aug. 5
Aug. 10	Royal Oak (br. Detroit), Mich.	Aug. 5
Aug. 10	Port Washington, Wis.	Aug. 5
Aug. 10	Boston, Mass.	Aug. 5
Aug. 10	Davenport, Ia.	Aug. 5
Aug. 11	Boston, Mass.	Aug. 5
Aug. 11	Los Angeles, Calif.	Aug. 5
Aug. 11	Phila., Pa.	Aug. 5
Aug. 11	Royal Oak (br. Detroit), Mich.	Aug. 5
Aug. 11	Cleveland, O.	Aug. 5
Aug. 11	Norristown, Pa.	July 22
Aug. 11	Baltimore, Md.	Aug. 5
Aug. 12	Ft. Lauderdale, Fla.	July 8
Aug. 12	Charleston, Mo.	July 22
Aug. 12	Boston, Mass.	Aug. 5
Aug. 13	Omaha, Neb.	Aug. 5
Aug. 14	Willowick, O.	Aug. 5
Aug. 16	Jackson, Mich. Adv. Aug. 5.	Aug. 5
Aug. 17	Port Washington, N. Y. Adv. July 29 and Aug. 5.	July 29
Aug. 20	Ellisville, Miss.	Aug. 5
Aug. 24	East White Plains, N. Y.	Aug. 5

Waste Disposal

Aug. 17	Memphis, Tenn. Adv. July 29 and Aug. 5.	July 22

Bridges

Bids close		*See Eng. News-Record*
Aug. 6	Phila., Pa	July 29
Aug. 7	Mount Charles, Ont.	Aug. 5
Aug. 9	Morgantown, W. Va.	July 15
Aug. 10	Maryland	Aug. 5
Aug. 12	South Carolina	Aug. 5
Aug. 12	Pennsylvania	Aug. 5
Aug. 13	Elkhart, Kan.	Aug. 5
Aug. 13	Richfield, Kan.	Aug. 5
Aug. 14	La Porte, Ind. Adv. July 29 and Aug. 5.	July 29
Aug. 16	New Jersey Adv. July 29 and Aug. 5.	July 29
Aug. 16	San Antonio, Tex.	Aug. 5
Aug. 17	Virginia Adv. Aug. 5.	Aug. 5
Aug. 17	New York	Aug. 5
Aug. 17	Louisiana	Aug. 5
Aug. 23	Carrolton, Ky.	Aug. 5
Aug. 24	New York and New Jersey Adv. Aug. 5.	Aug. 5
Aug. 26	South Carolina	Aug. 5
Dec. 1	Copenhagen, Denmark	July 15

Dams

Aug. 19	Chicopee, Mass. Adv. Aug. 5.	Aug. 5

Railways

Aug. 17	Massachusetts Adv. July 29 and Aug. 5.	July 29

Excavation, Drainage, Irrigation, Levees, River and Harbor

Aug. 6	Cleveland, O.	Aug. 5
Aug. 10	Vero Beach, Fla.	July 15
Aug. 16	New Jersey	July 29
Aug. 23	New Jersey Adv. Aug. 5.	Aug. 5

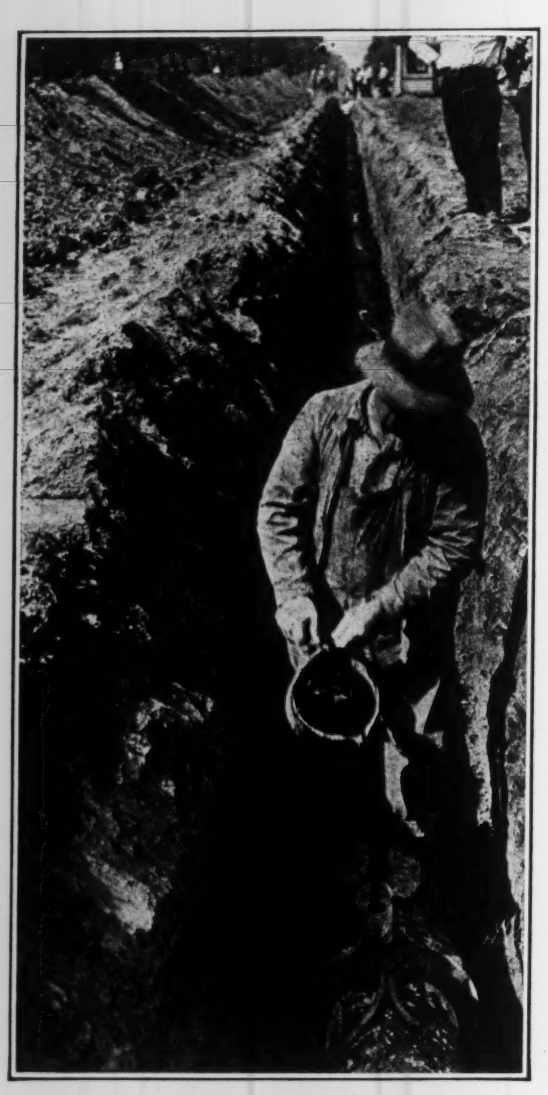
Streets and Roads

Aug. 6	Brownstown, Ind.	July 22
Aug. 6	New York Adv. July 22 to Aug. 5.	July 29
Aug. 6	Cincinnati, O.	Aug. 5
Aug. 6	Parma (Cleveland P. O.), O.	Aug. 5
Aug. 6	New Toronto, Ont.	Aug. 5
Aug. 7	Lebanon, Ind.	Aug. 5
Aug. 8	Lexington, N. C.	Aug. 5
Aug. 9	Durham, N. C.	Aug. 5
Aug. 9	Morgantown, W. Va.	July 15
Aug. 9	Michigan	Aug. 5
Aug. 9	Carrol, Ia.	Aug. 5
Aug. 9	Spencer, Ia.	Aug. 5
Aug. 9	Carthage, Mo.	Aug. 5
Aug. 9	Roxbury (Boston P. O.), Mass.	Aug. 5
Aug. 9	Waterloo, Ia.	Aug. 5
Aug. 9	Vincennes, Ind.	Aug. 5
Aug. 10	Massachusetts	Aug. 5
Aug. 10	Orange City, Ia.	Aug. 5
Aug. 10	Sigourney, Ia.	Aug. 5
Aug. 10	Tipton, Ia.	Aug. 5
Aug. 10	Anamosa, Ia.	Aug. 5
Aug. 10	Toledo, Ia.	Aug. 5
Aug. 10	Louisiana	Aug. 5
Aug. 10	Columbus, O.	Aug. 5
Aug. 10	Toronto, Ont.	Aug. 5
Aug. 10	Tipton, Ia.	Aug. 5
Aug. 10	Pennsylvania	July 22
Aug. 10	Hiawatha, Kan.	July 22
Aug. 10	West View, Pa.	July 29
Aug. 10	Bronxville, N. Y.	July 29
Aug. 10	Maryland	Aug. 5
Aug. 10	Abilene, Tex.	Aug. 5
Aug. 10	Marshfield, Mass.	Aug. 5
Aug. 10	Glennville, W. Va.	Aug. 5
Aug. 11	Indiana	Aug. 5
Aug. 11	Baltimore, Md.	Aug. 5
Aug. 11	Cleveland, O.	Aug. 5
Aug. 11	Brooklyn, N. Y.	Aug. 5
Aug. 12	St. George, N. Y.	Aug. 5
Aug. 12	South Carolina	Aug. 5
Aug. 12	Cushing, Okla.	Aug. 5
Aug. 12	Cedar Rapids, Ia.	Aug. 5
Aug. 12	Centerville, Ia.	Aug. 5
Aug. 12	Des Moines, Ia.	Aug. 5
Aug. 12	La Crosse, Wis.	Aug. 5
Aug. 12	Michigan	Aug. 5
Aug. 12	Virginia	Aug. 5
Aug. 12	Burlington, Kan.	Aug. 5
Aug. 12	Burbank, Calif.	Aug. 5
Aug. 12	Eagle Pass, Tex.	Aug. 5
Aug. 12	Clarksburg, W. Va.	Aug. 5
Aug. 12	Cedar Rapids, Ia.	Aug. 5
Aug. 12	Sioux Falls, S. D.	July 29
Aug. 14	Sergeantsville, N. J.	Aug. 5
Aug. 14	Cold Springs, Tex.	Aug. 5
Aug. 15	Anderson, Ind.	Aug. 5
Aug. 15	Birmingham, Ala.	July 22
Aug. 15	Birmingham, Ala.	July 29
Aug. 16	Morgantown, W. Va.	July 22
Aug. 16	New Jersey Adv. July 29 and Aug. 5.	July 29
Aug. 16	Cleveland, O.	July 29
Aug. 16	California	Aug. 5
Aug. 16	Los Angeles, Calif.	Aug. 5
Aug. 16	Crown Point, Ind.	Aug. 5
Aug. 16	Burlingame, Calif.	Aug. 5
Aug. 17	Ft. Worth, Tex.	Aug. 5
Aug. 17	Onawa, Ia.	Aug. 5
Aug. 17	Washington	July 29
Aug. 17	St. Louis, Mo.	Aug. 5
Aug. 18	Alabama	July 29
Aug. 18	San Francisco, Calif.	Aug. 5
Aug. 19	California	Aug. 5

See proposal advertising on page 163

TRADE "LEADITE" MARK

Registered U. S. Pat. Office



Pouring LEADITE Joints on line of 12-in. c. i. bell and spigot water main.

Durable Pipe Joints

The wise man builds for the future. Supply lines and distribution systems are usually permanent installations.

Durability and quality should be the first consideration of the product used for making joints in cast iron bell and spigot water mains.

LEADITE is a good product and the leader in its field, because it has gained and retained the recognition, support and patronage of such a great number of water works men for so many years.

LEADITE has been tested and used for over 30 years, under all pressures and conditions, by water works, railroads, mines, contractors and industrial plants thruout the country.

Thousands of miles of pipe have been laid with LEADITE joints, on all sizes from 4 in. to 60 in. in diameter.

LEADITE takes the drudgery out of pipe laying; saves time, money and labor; makes flexible joints; makes joints which will stand vibration under tracks, over and under bridges; makes joints which resist electrolysis; eliminates large bell holes; reduces trench pumping and other work incidental to caulking—LEADITE requires no caulking.

Every water works man abreast of the times knows about LEADITE. LEADITE is an interesting and familiar topic at water works conventions and wherever water works men congregate.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close *See Eng. News-Record*

Aug. 23 Kentucky .....Aug. 5
Aug. 23 California .....Aug. 5
Aug. 24 West Virginia .....Aug. 5
Adv. Aug. 5.
Aug. 24 Pennsylvania .....Aug. 5
Adv. Aug. 5.
Aug. 24 Oskaloosa, Kan. .....Aug. 5
Aug. 25 Sedan, Kan. .....Aug. 5
Aug. 27 Troy, Kan. .....Aug. 5
Aug. 28 Goshen, Ind. .....July 15
Sept. 1 New Philadelphia, O. ....July 29
Sept. 1 Birmingham, Ala. .....Aug. 5
Sept. 1 Lisbon, O. .....Aug. 5
Sept. 1 Delaware .....Aug. 5
Adv. Aug. 5.
Sept. 1 Cuba .....Aug. 5
Adv. Aug. 5.

Buildings—Commercial

Aug. 6 Oaklandon, Ind. .....July 8
Aug. 6 Sunnyside (mail Indianapolis), Ind. .....July 8
Aug. 6 Phila., Pa. .....Aug. 5
Aug. 9 Phila., Pa. .....July 29
Aug. 9 San Benito, Tex. .....July 29
Aug. 10 Johnstown, N. Y. .....July 22
Aug. 10 Cedar Rapids, Ia. .....July 29
Aug. 10 McAlester, Okla. .....July 29
Aug. 10 New Brunswick, N. J. ....Aug. 5
Aug. 10 Hamilton, O. .....Aug. 5
Aug. 10 Canton, O. .....Aug. 5
Aug. 10 Pondville (East Norfolk P. O.), Mass. .....Aug. 5
Aug. 12 Putnam, Conn. .....Aug. 5
Aug. 12 Pascagoula, Miss. .....July 22
Aug. 14 Madison, Wis. .....Aug. 5
Aug. 15 Anderson, Ind. .....July 29
Aug. 16 Los Angeles, Calif. .....Aug. 5
Aug. 17 Muskogee, Okla. .....July 29
Aug. 17 St. Louis, Mo. .....Aug. 5
Aug. 18 Brooklyn, N. Y. .....Aug. 5
Aug. 19 Shreveport, La. .....July 29
Aug. 25 Newark, N. J. .....Aug. 5
Sept. 1 Vancouver, B. C. .....Apr. 22
Nov. 15 Duluth, Minn. .....July 15

Buildings—Industrial

Aug. 3 West Allis, Wis. .....July 22
Aug. 3 Totowa (mail Paterson), N. J. .....July 29
Aug. 14 Highland, Ill. .....Aug. 5

Buildings—Educational, Religious

Bids close *See Eng. News-Record*

Aug. 6 Toronto, Ont. .....Aug. 5
Aug. 9 New Britain, Conn. .....Aug. 5
Aug. 10 Muscatine, Ia. .....July 22
Aug. 10 Fort Atkinson, Wis. .....July 29
Aug. 11 San Pedro, Calif. .....Aug. 5
Aug. 11 Laurel, Md. .....Aug. 5
Aug. 13 Akron, O. .....Aug. 5
Aug. 16 Belmont (Dayton P. O.), O. .....Aug. 5
Aug. 16 Columbus, O. .....Aug. 5
Aug. 16 Greeley, Colo. .....July 29
Aug. 17 Normon, Okla. .....July 29
Aug. 17 Boston, Mass. .....Aug. 5
Aug. 18 Darien, Conn. .....Aug. 5
Aug. 20 Gloucester, N. J. .....Aug. 5

Federal Government Work

Aug. 9 Cylinders — St. George, N. Y. .....July 29
Aug. 9 Remodeling—New Bedford, Mass. .....Aug. 5
Aug. 10 Foundations, etc.—Dayton, O. .....Aug. 5
Aug. 11 Remodeling—Phila., Pa. ...Aug. 5
Aug. 11 Dikes—Lexington, Mo. ...Aug. 5
Aug. 11 Dikes, etc.—Rockwood, Ill.July 22
Adv. July 22 and Aug. 5.
Aug. 11 Motors, etc.—Wash., D. C. July 22
Aug. 11 Cabin, etc.—St. Louis, Mo. July 29
Adv. July 22 to Aug. 5.
Aug. 11 Heating Plant — Ft. Monroe, Va. .....July 29
Aug. 12 Earthwork—Illinois .....July 29
Adv. July 29 and Aug. 5.
Aug. 12 Earthwork—Missouri .....July 29
Adv. July 29 and Aug. 5.
Aug. 13 Remodeling—Stevens Point, Wis. .....Aug. 5
Aug. 16 Barracks—Ft. Benning, Ga.July 22
Adv. July 22 to Aug. 5.
Aug. 17 Extension—Buffalo, N. Y. July 22
Adv. July 22 to Aug. 5.
Aug. 17 Dredging—Chicago, Ill. ...July 22
Adv. July 22 to Aug. 5.
Aug. 18 Dam—Orlando, Calif. ....July 15
Aug. 20 Dredging—Providence, R. I. .....July 22
Adv. July 22 to Aug. 5.

Bids close *See Eng. News-Record*

Aug. 24 Remodeling—Petersburg, Va. .....Aug. 5
Aug. 30 Canal—Portage, Wis. .....July 29
Aug. 31 Dam—Montana .....July 29
Sept. 1 Turbine, etc.—Idaho .....Aug. 5
Adv. Aug. 5.
Sept. 3 Lockhouse—Milwaukee, Wis. .....Aug. 5
Adv. Aug. 5.
Sept. 15 Quarters—Canacao, P. I...July 1

Unclassified

Aug. 9 Fire Alarm System—Long Island City, N. Y. .....Aug. 5
Aug. 10 Alternates—Kenner, La. ...Aug. 5
Aug. 10 Fire Station—Elkhart, Ind. Aug. 5
Aug. 11 Comfort Station—Brooklyn, N. Y. .....Aug. 5
Aug. 13 Tracks, etc.—New York ...Aug. 5
Aug. 13 Lighting Systems, etc. — Elizabeth, N. J. .....Aug. 5
Adv. Aug. 5.
Aug. 16 Turbo-Generator—Moose Jaw, Sask. .....June 24
Aug. 17 Fish Hatchery—Piqua, O...Aug. 5
Aug. 17 Transit Station—Boston, Mass. .....Aug. 5
Aug. 20 Lighting System—Highland, Ill. .....Aug. 5
Adv. Aug. 5.
Aug. 23 Fire Alarm System—Ft. Lauderdale, Fla. .....Aug. 5
Adv. Aug. 5.
Sept. 9 Wharf—West Palm Beach, Fla. .....Aug. 5
Adv. Aug. 5.
Sept. 30 Crane Gantries, etc.—Otahuhu, New Zealand .....May 20
Nov. 1 Buildings, etc.—New Zealand .....July 1

Materials

Aug. 9 Cable, etc.—Chicago, Ill...Aug. 5
Aug. 11 Pipe—Vancouver, B. C....Aug. 5
Aug. 12 Structural Steel—Phila., Pa. .....Aug. 5
Aug. 17 Gravel—Louisiana .....Aug. 5

News of New Work

Waterworks

Proposed Work

Mass., Clinton—Soon takes bids 150 m.g. reservoir. To exceed $15,000. Parker, Bateman & Cass, High St., engrs.

N. Y., East Williston—Bd. Water Comrs. rejected bids July 19, improving water supply. Noted July 8.

N. Y., Kenmore—Plans 1 m.g. storage water tank. To exceed $50,000.

N. J., Bringantine — Plans enlarging waterworks. $250,000. E. R. Smith, city clk.

N. C., Morganton—State Hospital for Insane plans increasing water supply, reservoir, pipe lines, etc. $25,000.

N. C., Warrenton—Election Aug. 17, $70,000 bonds, extending waterworks. G. C. White, Durham, consult. engr.

Ga., Rome—Voted $70,000 bonds, waterworks improvements.

Ga., Savannah—Voted $350,000 bonds, main extensions.

Miss., Picayune—Election soon $225,000 bonds waterworks improvements, incl. tank on tower, pump house and pumping equipment, 9½ mi. mains, sewage disposal plant and sewerage system.

Ky., Benton—Making preliminary plans new waterworks, incl. deep well pumps, etc. F. B. Reeves, Murray, engr.

Ia., Council Bluffs — Making plans new pumping plant equipment. To exceed $5,000. A. L. Mullergren, 705 Board of Trade Bldg., Kansas City, Mo., engr.

Kan., Pleasant Hill—Making plans probably 4 in. c.i. mains in various streets. $21,000 bonds voted. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs.

Mo., Kirksville — Voted $150,000 bonds, improving waterworks.

Mo., Potosi—Voted $37,500 bonds, complete waterworks and distribution system. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs. Noted July 1.

Mo., Versailles—Making plans extending waterworks and sewerage system. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs.

Tex., Amarillo—Making plans and takes bids in August 16 mi. transmission line, Whykoop Jiestred, Interstate Bldg., Kansas City, Mo., engr.

Tex., Asherton—Texas Central Power Co., c/o Frost Bldg., San Antonio, plans complete waterworks, mains, laterals, pumping equipment tank, electric light system, etc., here, $40,000. Private plans.

Tex., Canton — Voted $25,000 bonds, waterworks. J. White, Tyler, engr.

Tex., Rochester—City Secretary taking bids waterworks, incl. well, tank, tower, c.i. pipe, pump, motors, brick house, etc. $75,000. Utilities Eng. Co., Wichita Falls, engrs. Noted Feb. 25.

Tex., Wichita Falls—Plans new supply and distributing system. $350,000. Engineer selected soon. Address W. E. McBroom, city secy.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Butler—Making preliminary plans main extending, 7,900 ft. 4 in. and 3,200 ft. 6 in. c.i. mains, deep well pump, etc. $18,000. J. D. Bomford, Elk City, engr.

Okla., Chickasha—Plans waterworks extensions. To exceed $15,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Calif., Pomona—Voted $850,000 bonds, improving water system. Noted July 15.

Calif., San Francisco—Plans appropriating $71,500 funds, extending high pressure water system for fire protection. Noted July 15.

Ont., Grimsby—Council making plans extending waterworks intake pipe 1,000 ft. into lake. $30,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted Mar. 4.

Ont., Hamilton — Plans filtration plant. $600,000-$700,000. A. McFaul, City Hall, engr. Noted Aug. 20.

Bids Desired

R. I., Providenc—Aug. 25, at office Water Supply Bd., City Hall, 7 mi. Neutaconkanut Conduit, in cities of Providence and Cranston and town of Johnston. F. E. Winsor, 661 Westminster St., ch. engr.; adv. E. N.-R. Aug. 5.

N. Y., Long Island City—Aug. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Shore Blvd., Union Turnpike, Park Lane, Alden, 50th, 81st Sts., etc., here.

N. Y., New York—Aug. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Fteley, Gleason, Metcalf and Watson Aves.; also in De Laval, Edson, and Gunther Aves., Depot Sq., Kirk, Lebanon and East 159th Sts., etc.

N. J., Red Bank—Aug. 16, by Boro Council, iron removal plant, incl. three ½ m.g. mechanical pressure filters, etc. Fuller & McClintock, 170 Bway., New York City, engrs.; adv. E. N.-R. Aug. 5.

Miss., Vaiden — Bd. Trustees Vaiden Separate School Dist. taking bids drilling deep well and installing electrical automatic pump, on campus. W. W. Milner, secy.

O., Akron—Aug. 13, by A. S. Helpbringer, city purch. agt., 530 tons Class "B" c.i. pipe, 20 tons Class "C" c.i. pipe, 12 ft. lengths 6- to 16-in. diam., etc. L. Newhall, Municipal Bldg., engr.

O., Cleveland—Aug. 11, by Bd. Comrs. Cuyahoga Co., 1,700 ft. 6 in. c.i. mains in Alexander Rd., Impvt. 757, and 19,000 ft. 12 in. c.i. mains in Brecksville Rd., Impvt. 1350. F. Williams, Court House, engr.

O., Ravenna—Aug. 16, by J. M. Parham, aud. Bd. Comrs. Portage Co., 4,000 gal. steel storage tank on tower for water, at Portage Co. Home. J. L. Walter, co. surv.; adv. E. N.-R. Aug. 5.

O., Sheffield Lake—Aug. 9, by Village, 3½ mi. 12 in. Class "C" c.i. pipe in Lake Rd.,

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RUSH

(and How it was Accomplished)

THE start of this job, like that of many you handle, was held up for a long time. Then the word to go ahead was given—and with it instructions to complete the work in what seemed an unreasonably short time.

Architect, engineer and contractor co-operated in cutting time from the schedule and also increasing the quality.

In the concrete work they found a thoroly tested solution. By using well-authenticated methods and standard *Universal* cement, the same quality *Universal* regularly used, the contractor obtained concrete which at *3 days* had the strength of ordinary *28-day* concrete and which was better and stronger concrete forever after than concrete as ordinarily placed.

Detailed information on how to obtain this quick-hardening, *strong* concrete in *3 days* with standard *Universal* cement will be sent promptly on request.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.,
210 South La Salle Street, Chicago.

Please send me details on how to obtain *strong* concrete in *3 days* with standard *Universal* cement.

Name .....

Address .....

ENRS-5-26

Waterworks (Continued)

3,000 ft. 6 and 8 in. mains in Lakewood Beach Dr. and booster pump station. $100,-000. R. F. MacDowell, 1771 East 11th St., Cleveland, engr.

Ill., **Mundelein**—Aug. 11, by Village, water service pipes. $25,000. Kelker, De Leuw & Co., 111 West Washington St., Chicago, engrs.

Ill., **Warsaw**—Aug. 17, by City Clerk, waterworks improvements, incl. 80,000 gal. capacity steel tank on 80 ft. tower, 3,080 ft. 4 and 6 in. c.i. pipe laid, filtration plant, incl. coagulation and mixing basin, clear well, 2 filter units with piping equipment, etc. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs. Noted May 6.

Wis., **Milwaukee**—Aug. 7, by Dept. Pub. Wks., R. E. Stoelting, comr., 5,130 ft. 8- to 30-in c.i. mains in 13th St. and Grand Ave. To exceed $15,000. J. Schwada, City Hall, city engr.

Wis., Port Washington—See "Sewers."

Mo., Pleasant Hill — Aug. 12, by J. P. Farmer, city clk., 19,800 ft. 2 and 4 in. c.i. mains, etc., in various streets. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted July 1.

Tex., Muleshoe — Taking bids pumping station, 250 gpm. centrifugal pump, 50,000 gal. elevated tank, 19,507 ft., 2- to 8-in. c.i. pipe. $40,000. Montgomery Ward, 545 Harvey-Snider Bldg., Wichita Falls, engrs. Noted July 15.

Bids Received

O., Cleveland Heights (Warrensville P. O.)—See "Sewers."

O., Cleveland—Bd. Comrs. Cuyahoga Co., July 21, 6,000 ft. 6- to 16-in. mains in Lorain Ave. and West 231st St., Impvt. 756, from W. B. Smith, 1350 West 89th St., $37,-158. Noted July 15.

Wis., Wausau—J. M. Howarth, supt. Waterworks, July 20, constructing filtration-aeration plant, from Schafer & Olsen, 301 Bay St., Chippewa Falls, $46,710. Engrs. est. $125,000. Noted July 15.

Kan., Effingham—Waterworks, from J. C Neill, Leavenworth. Engrs. est. $45,000.

Calif., Inglewood — For 2,000 ft. 6 in. Class "B" water pipe, from B. Nicoll & Co., Rialto Bldg., San Francisco, at $0.815 per ft.

Contracts Awarded

Mass., Quincy (Ind. br. Boston)—Laying c.i. pipe, etc., Contr. 11, to Hugh Nawn Contg. Co., 82 Savin St., Roxbury, $36,430; Contr. 12, to A. Cefalo, 316 Belgrade Ave., Roslindale, $19,950.

Md. Baltimore—Bd. Awards,, c.i. pipe, etc., to Bureau of Water Supply, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $93,693.

S. C., Chester—Mayor, 200,000 gal. filtration plant, 500,000 gal. clear water reservoir, 50,000 gal. wash water tank, 150,000 gal. elevated steel tank, sewers, etc., to Tucker & Laxton, Realty Bldg., Charlotte, N. C., approximately $200,000. Noted July 15.

Miss., Jackson—R. L. Brown, secy. State Hospital Removal Impvt. & Land Sale Com., two 800 to 1,000 ft. wells with 500 g.p.m. each, to Layne Constr. Co., Memphis, Tenn. $29,480. Noted June 17.

O., Cincinnati—Hamilton Co., constructing Water Supply Line 27, Dists. 4 and 5, to Crumley, Jones & Crumley, 906 Main St., $47,580. Engrs. est. $49,418. Noted June 17.

O., Parma (mail Berea)—See "Sewers."

Ill., Carbondale—Waterworks improvements, incl. 85,830 ft. 2- to 12-in. c.i. mains, 84 fire hydrants, etc., to Hamilton-Hoffman Constr. Co., Carbondale, $178,982.

Ill., Mundelein — Waterworks improvements, inc. 6- to 10-in. c.i. mains, 45 hydrants, thirty-nine 6- to 10-in. gate valves, etc., to J. A. Melloy, Libertyville. $47,823.

Wis., Fond du Lac — For 16,000 ft. c.i. mains in various streets, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill.

Ia., Winterset — Waterworks improvement to Repass Bros., Des Moines, $43,877.

Minn., Norwood—See "Sewers."

Okla., Okmulgee—For 22,000 ft. 36 in. inside diam. patented concrete pressure water pipe, to J. D. Trammell, Lake Worth, Fla., $195,000.

Calif., Los Angeles—City Water & Power Comn., fifty thousand 20 ft. lengths, 8 in. bell and spigot coated steel pipe, to Grinnell Co. of the Pacific, 520 Mateo St., at $0.89 per ft.

Calif., Rio Vista—For c.i. water system, to Angle & Ewing, Dos Palos, $10,904. Noted July 8.

Calif., Vista—Vista Irrigation Dist. to Crane Co., 321 East 3rd St., Los Angeles, 35,000 ft. 4 in. Matheson joint steel pipe at $0.345 per ft., 2,000 ft. 5-in. $0.42 and 1,000 ft. 6 in. $0.525, total $13,449.

Ont., Ford City—Council, 18,000 ft. 6- to 8-in. main extensions, etc., to Walkerville Water Co. Ltd., Walkerville. Engrs. est. $40,000.

Ont., Trafalgar — S. H. Albertson, clk. Trafalgar Twp., laying 6 in. mains, to P. Simone, 133 Monark Park Blvd., Toronto; hydrants and gate valves, to Canada Valve & Hydrant Co., Brantford; c.i. pipe, to Natl. Iron Corp., Cherry St., Toronto. Engrs. est. $15,000. Noted June 3.

Sewers

Proposed Work

N. J., Pitman—Mayor and Boro Council plan storm sewer in Woodland Ave. $30,-000. Engineer not selected.

W. Va., Huntington—City Comrs. soon take bids 6,300 ft. 1, 1½ or 2 ring brick sewers in Project 1, Four Pale trunk sewer, $35,000. A. B. Maupin, city engr.

S. C., Greenville—Voted $3,000,000 bonds, sewers in various streets. B. A. Morgan, chn. Sewerage Comn.

Ga., Savannah — Voted $250,000 bonds, sewers in various streets. Noted June 17.

Miss., Meridian—Election Aug. 16, $125,-000 bonds, sewers in various streets. Noted May 20.

Miss., Picayune—See "Waterworks."

Tenn., Dresden—Election Sept. 10, $48,-500 bonds, 30,880 ft. 8- to 15-in. vitr. clay sewerage system, Imhoff tanks, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Tenn., Gleason—Made preliminary plans sanitary sewerage system. $30,000. W. E. Bandy, mayor. Engineer not announced.

O., Dayton—Montgomery Co. making plans sewer in Park Vista Sanitary Sewerage System and Hearth Stone plat lateral sanitary sewerage system, approximately 20,000 ft. 8- to 24-in. vitr. pipe, $71,000. P. E. Borchers, U. B. Bldg., engr.

Mich., Detroit—Dept. Pub. Wks., City Hall, made plans 33,761 ft. 10- to 24-in. vitr. and 30-in. 2-ring brick sewers in Laterals 4610, 4611, 4615, 4616, 4619, 4621, 4638, 4644, 4645, 4646, 4647, 4648 and 4651. P. A. Fellows, City Hall, engr.

Wis., Kenosha—C. M. Osborn, city mgr., rejected bids July 16, three hundred and fifty 6 in. sewer stubs, 200 concrete catch basins, 10 concrete manholes, 5,000 lin.ft. 8 in. catch basin connections, etc., in various streets. $25,000. Will readvertise. R. M. Smith, City Hall, engr.

Minn., St. Paul — A. E. Eggert, city purch. agt., rejected bids June 22, constructing Davern Ave. Sewer Extension 2. Noted June 17.

Neb., Holdrege — Making preliminary plans disposal plant addition, incl. sprinkling system, sludge filter, resisting tanks, pumping station, etc. $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Mo., Jefferson City—Defeated $167,000 bonds, extending sewerage system. Noted July 8.

Mo., St. Joseph—Voted $1,036,000 bonds, sewers in various streets. W. M. Spann, City Hall, engr. Noted June 24.

Mo., St. Louis—Made preliminary plant vitr. clay, brick or segmental block sewers in South Hurst Joint Dist., $40,000; vitr. clay sewers in Macklind Ave. Sewer Dist. 2 $5,000, Manchester Rd. Sewer Dist. 6 $8,000 and Rock Creek Sewer Dist. 11 $24,000. W. W. Horner, 300 City Hall, engr.

Mo., Versailles—See "Waterworks"

Tex., Haskell—Making plans complete sewerage system and disposal plant. $75,-000. Municipal Eng. Co., 1107 Athletic Bldg., Dallas, engr.

Tex., Richmond—City retained Sanitary Eng. Co., P. O. Box 1512, Houston, as consulting and supervising engineers, to prepare plans and specifications and supervise construction sanitary sewerage system and disposal plant. Election soon $50,000 bonds for same.

Okla., Davenport—Election Aug. 10, $45,-000 bonds, 30,000 ft. 8- to 15-in. vitr. c.ay sewerage system. Gantt-Baker Co., 116 West Main St., Oklahoma City, engrs.

Okla., Erick—Election Aug. 6, $30,000 bonds, 1,400 ft. 10- to 30-in. segmental block sewers in Bway., Custer and Kiowa Sts. C. R. Waite, Sayre, engr.

Calif., Coronado—Defeated $25,000 bonds storm drain. Noted July 1.

Calif., Glendale—Made plans 2,416 ft. 8 in. vitr., and 1,104 ft. 8 in. vitr. house sewers, etc., in Glen Ivy Dr., etc. J. F. Jeannesen, city engr.

Calif., Los Angeles—Making plans 8- to 18-in. cement sewer in Willoughby Ave., in Poinsetta Pl. Sewer Dist. To exceed $25,000.

Calif., Los Angeles—Bd. Pub. Wks. soon takes new bids sanitary sewer in portion Atwater Ave. and Silver Lake Blvd. Former bids rejected. Noted July 15.

Calif., Oakland—City appropriates $150,-000, constructing Elmhurst sewer outlets. W. W. Harmon, city engr.

Calif., Oakland—Making plans sewer outlets in various sections, $30,000. W. W. Harmon, city engr.

Calif., Oakland—Made plans 26,753 ft. 8 and 10 in. vitr. pipe, without concrete jacket, and 69 ft. with concrete jacket, in Millsmont Tract. W. W. Harmon, city engr.

Ontario—Union Sewage Comn. of Mimico and New Toronto, making plans enlarging sewage disposal plant for towns of Mimico and New Toronto. $105,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—North York Twp. making plans several miles sewerage system in Armour Heights Dist. $50,000-$100,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Ont., Thornbury—Council making plans sewers in Main St. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted May 13.

Ont., Toronto—City Council plans activated sludge system for new North Toronto sewage disposal works in Don Valley between Leaside and Todmorden. $1,000,000. R. C. Harris, City Hall, engr. H. P. Eddy, 14 Beacon St., Boston, Mass., and G. G. Nasmith, Confederation Life Bldg., consult. engrs.

Ont., Toronto—York Twp. plans 3,500 ft. service and trunk sewer in Pritchard Ave. $52,000. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Mass., Boston—Aug. 10, by Dept. Pub. Wks., sewerage works in Brighton; Aug. 11, in West Roxbury; and Aug. 12, in Dorchester and East Boston. $50,000. J. H. Sullivan, comr.

Mass., Winchendon — See "Contracts Awarded."

N. Y., East White Plains—Aug. 24, by Town of Harrison Sewer Dist. 2, at Silver Lake Fire House, sanitary collecting sewer, etc., in Silver Lake and Underhill Parks, etc. C. H. Sells, Pleasantville, engr.; adv. E. N.-R. Aug. 5.

Pa., Phila.—Aug. 11, by Dept. Pub. Wks., Bureau of Engineering, main sewers in Aramingo Ave., Oak Lane and 49th St.; also extending Sandy Run between Lexington and Brous Aves. W. R. Rodgers, acting dir.

Md. Baltimore—Aug. 11, by Bd. Awards, 166 ft. 27 in. rein.-con., 9,650 ft. 21- to 27-in. vitr. sewers, also 9,750 ft. 4 and 6 in. underdrain, in Sect. 5, Herring Run Interceptor, Contr. 237. M. J. Ruark, City Hall, sewerage engr.

O., Cleveland—Bd. Comrs. Cuyahoga Co. taking bids 14,000 ft. 24- to 48-in. vitr. clay sewer in Broadway Rd., Impvt. 900. F. Williams, Court House, engr.

Miss. Ellisville—Aug. 20, by City, 29,072 ft. 6 in. to 15-in. sewers, 49 manholes, 9 flush tanks, etc., in various streets. Howorth & Watson, P. O. Box 201, Hattiesburg, engrs.

O., Cleveland—Aug. 11, by Bd. Comrs. Cuyahoga Co., 7,000 ft. 6- to 54-in. brick or concrete sewer in Melrose and Ridgebury Blvd., Impvt. 307. F. Williams, Court House, engr.

O., Willowick—Aug. 14, by Village, storm sewers in 17 streets. $102,000. Sterling Eng. Co., 7016 Euclid Ave., Cleveland, engrs. Noted July 1.

Ill., Mundelein—Aug. 9, by Village, 68,-560 ft. 8- to 15-in. vitr. clay and 130 ft. 10 in. c.i. pipe, 229 manholes, etc. $145,000. Kelker, De Leuw & Co., 111 West Washington St., Chicago, engrs.

Mich., Jackson—Aug. 16, by City Clerk, East Side intercepting sewer extension, etc G. D. Kennedy, city mgr.; adv. E. N.-R. Aug. 5.

Mich., Royal Oak (Ind. br. Detroit)—Aug. 11, by Stormfeltz Loveley Co., c/o M. L. Brown & Son, engrs., 603 Capitol Theatre Bldg., Detroit, 12,026 ft. 12- to 36-in. crock sewers in Kenwood Park Subdivision.

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INDUSTRIAL WORKS

Bay City, Michigan

INDUSTRIAL

Sewers (Continued)

Mich., Royal Oak (Ind. br. Detroit) — Aug. 10, by Hubbell, Hartgering & Roth, engrs., 2640 Buhl Bldg., Detroit, approximately 20,000 lin.ft. 12- to 36-in. vitr. concrete and brick sewers, etc., in Woodward side Subdivision, here, for Judson Bradway Co.

Wis., Port Washington—Aug. 10, by A. Lynch, city clk., 2,175 ft. 8 in. and 50 ft. 10 in. vitr. sewers, and disposal plant; also 2,400 ft. 6 in. water mains, etc. in various streets. J. Donohue Eng. Corp., 608 North 8th St., Sheboygan, engrs.

Neb., Omaha—Aug. 13, by H. Beal, city engr., at 506 City Hall, 1,445 lin. ft. rein.-con. monolithic storm sewers in Dist. 891, for City.

Calif., Los Angeles—Aug. 11, by Los Angeles Co. Sanitation Dist. 2, portion Montebello Trunk Sewer, 9,743 ft. 21 in. vitr. clay pipe. J. C. Shaw, City Hall, engr.

Bids Received

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn, Boro, Boro Hall, July 28, sewers in East 42nd St. and 11th Ave., from R. Nazarro, Inc., 7101 11th Ave., $3,813 and $1,538 respectively; in Eldert Lane, from R. Iovino, 678 Glenmore Ave., $473. Noted July 22.

N. Y., New York—J. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., July 26, sewers in Barkley Ave. and Drainage St., from D. Tambono, 566 East 187th St., $3,642 and $8,511 respectively; and in Hill Ave., from A. Casserta, 2431 Barnes Ave., $8,540.

N. J., Carteret—Mayor and Boro Council, July 1, trunk sewer in Noe's Creek, from L. Jacques Constr. Co., Elizabeth, $235,248. Noted July 8.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, July 28, main sewer in Fairmount Park, from J. J. McHugh, 1617 Race St., $12,457; intercepting sewer along Tacony Creek and Winghocking Sewer in Winghocking St., etc., from J. and R. Lombardi, Lincoln Bldg., $45,576 and $22,000 respectively; also grading, paving and appurtenant work for South Phila. track elevation, Contr. 211, from J. Meehan & Son, 916 West Dakota St., $18,396. Noted July 22.

O., Cleveland—Bd. Comrs. Cuyahoga Co., July 21, from Hanna-Michael Constr. Co., Huron Sixth Bldg., 6,000 ft. 8- to 24-in. vitr. clay sewer, in Tuxedo Ave., Impvt. 111 $22,330, also 10,000 ft. 8- to 48-in. sewer in Parkway Heights Blvd., Impvt. 91, segmental block $212,254, brick $218,129, and concrete $212,159. Noted July 15.

O., Cleveland Heights (Warrensville P. O.)—City, July 16, for **(a)** sewers **(b)** watermains **(c)** combined in **(1)** Alpine Rd. **(2)** Hartwood Rd. **(3)** Glynn Rd. from A. Marra Co., Engineers Bldg., Cleveland, **(a1)** $3,573, **(b1)** $2,469, **(c1)** $6,042, **(a2)** $2,878, **(b2)** $3,170, **(c2)** $6,048; from Curro & Whittaker, Engineers Bldg., Cleveland, **(a3)** $4,452, **(b3)** $3,452, **(c3)** $7,994; also from E. Gedney, 14251 Superior Ave., culvert in Park Property, $11,905. Noted July 15.

O., Lyndhurst—Sewer in Oakland and Biltmore Drs., from A. C. Hattendorf, Stop 14, Euclid, $8,557 and $5,556 respectively; also Gordon Rd., from George & Ameen Co., Erie Bldg., Cleveland, brick $19,154, block $18,994, and concrete $18,829.

Wash., Seattle—Bd. Pub. Wks., July 16, from T. Scalzo, 1708 22nd St., sewers in 13th Ave. S. et al, 8,485 ft. 8 in. rein.-con. pipe at $1.60 per ft., 3,270 ft. 10 in. $1.80, 2,885 ft. 12 in. $1.95, 1,750 ft. 15 in. $2.65, etc., total $51,998.

Calif., El Segundo—City Trustees, 8- to 10-in. vitr. sewers 6 to 10 ft. depth, in Collingwood St., etc., from Chutuk & Vukjevich, 1506 Pleasant St., Los Angeles, $152,-670. Noted June 10.

Calif., San Diego—Common Council, July 19, from O. U. Miracle, sewer in East 32nd St. and south of Q St., 71,077 lin. ft. 6 in. cement pipe at $0.90 per lin. ft., 15,086 lin. ft. 8 in. $1.05, 5,416 lin. ft. 14 in. $2, 4,250 lin. ft. 16 in. $1.50, 156 line. ft. 6 in. c.i. pipe $3, and 24 lin. ft. 14 in. c.i. pipe $5, etc. Noted July 8.

Contracts Awarded

Mass., Winchendon — Town, Bd. Selectmen, will build disposal plant and sewerage building, by day labor. $40,000. McClintock & Woodfall, 14 Beacon St., Boston, engrs.

N. J., Butler—Boro Council, Municipal Bldg., sanitary sewer in Boonton Ave., Brook and Scott Sts., to T. Delatino, Haskell, $7,637. Noted July 8.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, branch sewer in Aldine St., to J. Venuti, 1512 South 15th St., $20,440; Algon St., to H. H. Pizagno, 907 South 13th St., $13,481; Aramingo St., to E. Pascuzzi, Lincoln Bldg., $13,422; 4 streets, to J. J. McHugh, 1617 Race St., $77,792; Ditman and Forest Sts., to J. Moss, 1652 Wakeling Ave., $20,829 and $5,620 respectively; Frankford and Torresdale Sts., to Garson & Garson, 5031 Brown St., $16,219 and $12,949 respectively; Georgian Rd., to A. J. Henderson, 825 East Washington Lane, $7,-024; Glenn Echo Rd., Penn St. and Walnut Lane, to E. F. Bennis, 825 East Washington Lane, $33,470; Godfrey and M Sts., to A. Di Sandro & Son, 3906 North 5th St., $22,067; and $20,128 respectively; 3 streets, to P. and A. J. Ellis, 4th and Wingstocking St., $39,161; L St., to Vattieri & Pontarelli, 523 Rising Sun Lane, $4,420; State Rd., to A. Carrado, 5920 Magnolia Ave., $3,348; Stiles St., to McCoal Constr. Co., 5033 Duffield Ave., $9,331; Teesdale St., to A. Perna & Son, 752 South 10th St., $20,897; and Tulip St., to Perna Eng. Co., 739 South 8th St., $8,844. Grand total $349,653. Noted July 29.

D. C., Wash. — Dist. Comrs., District Bldg., Broad Branch Storm Sewer, Sect. 3, and combined sewerage system in 13th St., to M. Cain Co., 13 6th St. N. E., $18,088 and $3,487 respectively; K Street Replacement Sewer, to L. M. Johnson Constr. Co., $8,838; Woodley Rd. Branch Macomb Street Sewer, to G. B. Mullin Co., 1296 Upshaw St. N. W., $47,697; 1st Street Combined Sewer, to A. McCandlish Co., $2,743; and Dix Street Service Sewer, to W. F. Brenizer Co., Asbury Park, N. J., $4.343. Grand total $58,270.

W. Va., Charlestown—City Council, sewerage system, to Liggott & Liggott, Baltimore, Md., $69,000. Noted May 20.

S. C., Chester—See "Waterworks."

O., Cleveland—For 14,801 ft. 12 in. concrete and 1,698 ft. 6 ft. 6 in. brick sewer in Morgan Run, to W. McDowell & Son Co., 4120 East 104th St., $78,081. Noted July 29.

O., Cuyahoga Falls—Storm sewer, watermains, and grading Cuyahoga View Heights, to T. E. McShaffrey Co., 173 South Forge St., Akron, $86,789; also sanitary sewer, etc., same dist., to T. Tuppa Co., Akron, $26,776.

O., Maple Heights (Bedford P. O.)—Village, to Curro & Whittaker, Engineers Bldg., **(a)** concrete sewer **(b)** vitr. tile sewer, **(c)** watermain in Clare Ave., **(a)** $19,976, **(c)** $12,176, in Hillgrove Ave. **(b)** $11,275, **(c)** $9,467. Noted July 29.

O., Parma (mail Berea)—Sewers and water mains in Marmore Ave. and Brookview Blvd., to Gantose Constr. Co., 4816 Brookpark Rd., Cleveland, $8,064 and $8,402 respectively; in Grantwood Ave., to Sprague & Burkhart, 11812 Browning Ave., Cleveland, $9,903; and Grantwood and Norris Aves., to Yahya Bros., 3196 West 25th St., Cleveland, $15,463. Grand total $41,832.

O., Parma (mail Berea)—Sewer and water-mains in Lucerne Ave., to Gantose Constr. Co., 4816 Brookpark Ave., Cleveland, $35,170.

Ill., Mundelein—Bd. Local Impvts., 6,800 ft. 6 and 8 in. lateral sewers in various streets, and 19 manholes, to T. H. Igelhart, 166 West Jackson St., Chicago, $8,607, sanitary sewers and sewage treatment plant, to O'Brien Bros., 1923 North Kildare St., Chicago, $143,116. Noted May 20.

Wis., Milwaukee—Dept. Pub. Wks. R. E. Stoelting, comr., concrete or vitr sewers in Auer Ave. and 30th St., to A. H. Koch, 2917 Grand Ave., $5,107; Burnham St., to Nevada Constr. Co., 466 Milwaukee St., $33,226; Burrell St., to T. G. Holton, 345 27th Ave., $527; 40th St., to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., $2,063; Trowbridge Ave., 41st and Hanover Sts., to H. O. Schaefer & Son, 752 64th Ave., $6,484; 46th St., to Shabart, Rauch, Inc., 1003 41st St., $1,130; Rogers and 36th Sts., to Wenzel & Henoch Constr. Co., 498 27th St., $25,808; Lincoln, 28th, 29th and 30th Aves., to Szukalski & Matke, 1089 American Ave., $22,775; 39th St., to G. and L. Zimmermann, 3402 Grand Ave., $827; and Wells St., to Clayton Constr. Co., 929 Hackett Ave., $29,507. Grand total $135,819.

Ia., Winterset—Sewers and laterals, to Craig Constr. Co., Des Moines, Ia., $117,918; pumping station and disposal plant, to Repass Bros., Des Moines, $43,877. Noted June 24.

Minn., Norwood—Village, c/o H. G. Lensen, recdr., 17,323 ft. 8 and 10 in. vitr. clay sewers in various streets, sewage disposal plant, and waterworks, to W. E. Kennedy, 7 Bway., Fargo, N. D. $61,000. Noted July 8.

Minn., White Bear Lake—L. M. Rief, city clk., sewage disposal plant and sanitary sewerage system, to W. E. Kennedy, 7 Bway., Fargo, N. D. $167,500. Noted July 29.

Neb., Hastings—A. T. Bratton, city clk., sewage disposal plant, Sects. 1 to 7, to Midstate Constr. Co., Omaha, $70,450; and approximately 8,865 ft. 21 and 30 in. outfall sewers, etc., in various streets, to Chambers Constr. Co., 809 1st Natl. Bank Bldg., Lincoln, $31,444. Noted July 8.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sect. J., River Des Peres, incl. floodway, etc., to W. E. Callahan Constr. Co., Ry. Exch. Bldg., $131,500; also East Rock Creek Joint Sewer and Glaise Creek Sewer Dist. 25, to Riley Contg. Co., 110 North 7th St., $240,087 and $4,433 respectively. Grand total $376,020. Noted June 10, 17 and July 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 2,790 ft. 8- to 48-in. vitr. clay, brick and segmental block sewers in North Baden Joint Sewer Dist., to Grant & Meinert Co., c/o Municipal Contractors Assn., Fullerton Bldg., $24,096. Engrs. est. $29,500. Noted June 17.

Mo., St. Louis—Cyrus Crane Wilmore Organization, Inc., Boatsmen Bank Bldg., 4.5 mi. 6- to 39-in. sanitary sewerage system in Kingshighway Hills Subdivision, to Frazier-Davis Constr. Co., Arcade Bldg. Engrs. est. $70,000.

Calif., San Francisco—City, 52,310 lin.ft. 4 in. lap weld wrought steel black pipe, random lengths, f.o.b. cars Hetch Hetchy Junction (Tuolumne Co.), to R. W. Kinney Co., 645 Howard St., at $0.518 per ft., total $27,097.

Ont., Stratford—For North Shore Main Sewer, 12- to 30-in. concrete pipe, to Independent Concrete Pipe Co., 198 Riddell St., Woodstock. Engrs. est. $40,000. Noted Mar. 4.

Ont., Toronto—East York Twp., general contract concrete and rein.-con. sewage disposal plant, in Danforth Park, to Goldie Constr. Co., 32 Church St., $78,860. Engrs. est. $80,000.

Waste Disposal

Proposed Work

N. Y., Albany—Mayor Thatcher in special message to Common Council in September will ask authorization $300,000 bonds, garbage incinerator, on Westerloo Island.

Mo., Jefferson City — Defeated $20,000 bonds, garbage incinerator. Noted July 8.

Bridges

Proposed Work

R. I., Pawtucket — City, Bridge Dept., making plans concrete bridge over Ten Mile River. $25,000 or more. G. A. Carpenter, city engr.

Ga., Savannah—Voted $250,000 bonds, viaduct. Noted June 17.

O., Cleveland—City, authorized $500,000 funds, new steel and concrete bridge, on Main Ave. R. Hoffman, City Hall, engr.

O., Dayton—Comrs. Montgomery Co. soon take bids 2 bridges, one on Germantown Pike, and other on Dixie Highway. $50,000 each.

O., Dayton—Comrs. Montgomery Co. soon take bids bridge over Miami River, on Troy Pike. $25,000. W. O. Pease, Dayton, engr.

Wis., Racine—Dept. Pub. Wks., H. A. Nelson, comr., rejected bids June 30, 148 ft. double leaf underneath counter-weight type strauss trunnion bascule bridge, etc., over Root River, at Main St. Strauss Bascule Bridge Co., 307 North Michigan Ave., Chicago, Ill., engrs. Noted July 15.

Tex., Anderson—See "Streets and Roads."

Tex., Cold Springs — See "Streets and Roads."

Tex., Sanderson — See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 3 span 270 ft. steel truss bridge on concrete piers at Tipton, Tillman Co., $65,000; and 3 span 330 ft. steel truss bridge on concrete piers at Corn, Custer Co., $80,000. J. M. Page, highway engr.

Bids Desired

Massachusetts—See "Streets and Roads."

New York and New Jersey—Aug. 24 at office J. E. Ramsey, ch. executive officer Port of New York Authority, 75 West St., New York City, superstructure 2 bridges over Arthur Kill, Outerbridge Crossing from Perth Amboy, N. J., to Tottenville, N. Y. and other between Elizabeth, N. J., Howland Hook, N. Y. J. A. L. Waddell, 150 Bway., New York City, consult. engr.; adv. E. N.-R. Aug. 5.

New York — Aug. 17, by H. C. Pitney, clk., C. arwater, steel and concrete bridge over Anthonys Kills, between towns of Stillwater and Halfmoon, Saratoga Co.

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Bridges (Continued)

Pennsylvania — Aug. 12, by Secretary Property & Supplies, Harrisburg, Soldiers and Sailors Bridge, on State St. from Cameron St. easterly, Dauphin Co., incl. 23,000 cu.yd. excav., 60,000 lin.ft. bearing piles, 15,500 cu.yd. concrete, 800,000 lb. reinforcing and 400,000 lb. structural steel, etc.

Maryland—Aug. 10, by State Rd. Comn., Baltimore, timber and steel bridge over Knapps Narrows, Tilghman Island, Contr. T-25, Talbot Co. J. N. Mackall, chn.

Virginia—Aug. 17, by State Hy. Dept., Richmond, bridge over Occoquan Creek, on Federal Aid Project 440-C, near Occoquan Sta. C. S. Mullen, ch. engr.; adv. E. N.-R. Aug. 5.

W. Va., Clarksburg—See "Streets and Roads."

W. Va., Glenville — See "Streets and Roads."

South Carolina — Aug. 12, by State Hy. Dept., Columbia, rein.-con. bridge over Church Creek, on Route 61, State Project S-634, Charleston Co. A. T. Brown, Orangeburg, engr.

South Carolina—Aug. 26, by State Hy. Dept., Columbia, treated timber bridge over railroad tracks, on Route 5, Federal Aid Project 274-B, Chester Co.; also rein.-con. and structural steel bridge over Broad River on Route 28, State Project S-641, at Strothers. Fairfield-New Berry Counties. State Hy. Engineer, Sumter St., Columbia, engr.

Louisiana—Aug. 17, by State Hy. Comn., Baton Rouge, repairing Bayou Vidol Bridge on Tallulah-St. Joseph Highway, Federal Aid Project 134-B, Madison and Tensas Parishes. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Ky., Carrolton—Aug. 23, by State Hy. Dept., Frankfort, concrete and steel bridge over Little Kentucky River, on Carrolton-Milford Rd. State Aid Project 13-A, Carroll Co., near here. Noted July 8.

Ohio—Aug. 13, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, constructing 86 ft. span deck girder bridge, Sect. "St. Marys Bridge," I. C. H. 165, Auglaize Co., $42,500; concrete beam bridge, Sects. "B" and "C," I. C. H. 177, Brown Co., $22,950; 3 span concrete cantilever bridge and 80 ft. concrete arch bridge, Sect. "Y-3," I. C. H. 502, Columbiana Co., $32,800; 395 ft. steel truss bridge over Raccoon Creek and approaches, Sect. "H," Vinton Co., $39,200; concrete bridge, and waterbound macadam approaches on I. C. H. 177, Brown Co., $25,000; concrete bridge, Sect. "C," I. C. H. 512, Hancock Co., $20,000; and bridge on Sect. "H," I. C. H. 520, Lake Co., $27,500.

Kan., Elkhart—Aug. 13, by Clerk Morton Co., forty-nine 21 ft. span, pile trestle bridge, on Federal Aid Project 358-A.

Kan., Richfield—Aug. 13, by Clerk Morton Co., forty-nine 21 ft. span bridge, on Federal Aid Project 358—A. C. Dean, Richfield, engr. Noted July 22.

Tex., Abilene—See "Streets and Roads."

Tex., Cold Spring — See "Streets and Roads."

Tex., San Antonio—Aug. 16, by City Comn., four 50 ft. span plate girder bridge over San Antonio River, on Theo St. $25,000. I. Ewig, city engr.

Ont., Mount Charles — Aug. 7, by J. R. Kennedy, clk. Toronto Twp., Cooksville, 1 span, 60 ft. concrete arch bridge over Etobicoke Creek, here. $25,000. N. L. Powell, Court House, Brampton, engr.

Bids Received

New Hampshire — See "Streets and Roads."

Connecticut—See "Streets and Roads."

New York and New Jersey—Port of New York Authority, 75 West St., New York City, (1) bridge between Elizabeth, N. J., and Howland Hook, N. Y., and (2) bridge between Perth Amboy, N. J., and Tottenville, N. Y., both over Arthur Kill, from P. J. Carlin Contg. Co., Grand Central Terminal, New York City, Contr. E.H. 1-A, substructure on Elizabeth Side (1) $1,044,300, Contr. E.H.-1, entire work (1) $2,029,400, Contr. P.T. 1-A, Perth Amboy Side (2) $1,386,100, and P.T. 1-B, Tottenville Side (2) $1,823,400; from Treist Contg. Co., 128 West 59th St., New York City, Contr. E.H. 1-B, Howland Hook Side (1) $947,750. Noted July 1.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, July 27, **(e.e. means engrs. estimate, r.c.a. rein.-con. arch, r.c.g. rein.-con. girder, s.g. steel girder, and s.t. steel truss)**, from Walter Bros., New Albany, 2 span 180 ft. r.c.a. over Silver Creek, Clark Co., Contr. 82, $20,184 e.e. $19,600; from J. Block, Knightstown, 6 span 800 ft. s.t. and s.g. over Wabash River, Vigo Co., Contr. 86, $11,870 e.e. $17,063; from W. H. Hoffman, Lafayette, 1 span 22 ft. and 1 span 28 ft. r.c.g., over De Haan Ditch, Jasper Co., Contr. 87, $8,991 e.e. $9,642; from D. Jenkins, 501 Gilbert Ave., 2 span 28 ft. over Clear Creek, and 1 span 30 ft. over Matson Ditch, both r.c.g., DeKalb Co., Contr. 90, $17,698 e.e. $18,757; from R. I. Schutt, Greencastle, 1 span 50 ft. and 1 span 38 ft. r.c.g. over Little Treaty Creek, Wabash Co., Contr. 91, $6,963 e.e. $7,613; from R. P. Olinger, Huntingburg, 1 span 30 ft. over Stone Coal Creek, 1 span 30 ft. over Drainage Ditch, both r.c.g., and 1 span 48 ft. s.t. over Big Flat Creek, all foregoing in Pike Co., $17,381 e.e. $20,083; from Clements & Veal, Williamsburg, 1 span 28 ft. over Little Buck Creek, and 1 span 24 ft. over Doe Creek, both r.c.g., also 1 span 20 ft., r.c.s. over Right-Mud Creek, Hancock Co., Contr. 93, $10,414 e.e. $12,207; from Wasnidge & Leonard, Jasonville, 2 span 34 ft. bridge over Mud Creek, and 1 span 40 ft. bridge over Hodges Branch, both r.c.g., Rush Co., Contr. 99, $16,622 e.e. $18,627; from Willis Calvert, Sheridan, 1 span 24 ft. bridge over Spring Creek, and 1 span 16 ft. bridge, both r.c.g., Boone Co., Contr. 100, $6,713 e.e. $7,614; from Tharp & Tharp, Fountain City, 2 span 66 ft. s.t. over Brandywine Creek, Shelby Co., Contr. 96, $15,457 e.e. $16,452, also 1 span 38 ft. r.c.g. over Prairie Creek, Blackford Co., and 1 span 40 ft. s.t. over Tippy Branch, Grant Co., Contr. 89, $12,353 e.e. $14,358; from Clark & Minnix, Flora, 1 span 77 ft. s.t. over Hodge Ditch, and 1 span 36 ft. r.c.g. over Ind. Land Co. Ditch, both Jasper Co., Contr. 88, $22,525 e.e. $23,697, also 2 span 65 ft. r.c.a. over Big Sugar Creek, and 1 span 28 ft. r.c.g. over Wagner Ditch, Hancock Co., Contr. 94, $25,244 e.e. $27,159; from W. H. Grammer & Son, Evansville, 1 span 24 ft. bridge over Hanna Creek, and 1 span 24 ft. bridge over Warner Creek, both r.c.g., also 2 span 72 ft. s.t. over Kankakee River, all foregoing in La Porte Co., Contr. 84, $32,396 e.e. $33,285, 1 span 24 ft. r.c.g. over Sherin Ditch, and 1 span 66 ft. s.t. over Robbins Ditch, both in Starke Co., Contr. 85, $16,473 e.e. $17,038, also 1 span 48 ft. s.t. over Lynn Creek and 3 span 38 ft. r.c.g. over Little Blue River, all foregoing in Rush Co., Contr. 98, $24,613 e.e. $25,623; from Vincennes Bridge Co., Vincennes, 3 span 320 ft. s.t. bridge over Blue River, foregoing in Shelby Co., Contr. 97, $16,886 e.e. $17,984, 1 span 66 ft. s.t. over Crooked Creek, Porter Co., Contr. 83, $9,247 e.e. $10,660, also 1 span 84 ft. s.t. over Little Sugar Creek, Hancock Co., Contr. 95, $16,847 e.e. $18,895. Noted July 15.

Tex., Anson—See "Streets and Roads."

Tex., Center—See "Streets and Roads."

Colo., Denver—City, July 16, plate girder bridge over Platte River, on 13th Ave., from A. F. Hewitt, 361 Lafayette St. $39,911.

Contracts Awarded

R. I., Providence—Bd. Contr. & Supply, Clerk of Committees Dept., City Hall, substructure Point St. Bridge, to W. V. Polleys Co., East Providence, $139,787; superstructure for same, to Boston Bridge Wks., 47 Winter St., Boston, Mass., $343,867. Noted June 10.

R. I., Providence—State Bd. Pub. Roads, State House, Bridge 58, to F. Iacano, Westerly, $4,390; Bridge 210, to F. F. McCarthy Co., Newton, Mass., $2,467; and Bridge 208, to Bridges Eng. & Constr. Co., Providence, $22,369, all concrete. Grand total $29,226. Noted July 8.

New York and New Jersey—Port of New York Authority, 75 West St., New York City, substructures Perth Amboy side Outerbridge Crossing, over Arthur Kill, to P. J. Carlin Constr. Co., Grand Central Terminal, New York City, $1,386,100; and Elizabeth Side Elizabeth-Howland Hook Bridge, over Arthur Kill, to Triest Constr. Co., 247 Park Ave., New York City, $946,750; Tottenville side of former and Howland Hook side of latter bridges, to Frederick Snare Co., 144 Liberty St., $1,909,960 and $1,350,620 respectively. Noted July 1.

N. J., Jersey City—Bd. Freeholders Hudson Co., Court House, 64 ft. steel girder bridge connecting Nelson Ave., here, with Grand Ave., North Bergen, to W. Culligan, 47 Avenue B, Bayonne, $46,000. Noted July 15.

W. Va., Huntington — Substructure for bridge over Guyan River at 5th Ave., to Turner, Brown & Co., Catlettsburg, Ky., $33,627; superstructure, to Vincennes Bridge Co., Vincennes, Ind., $76,900. Noted June 17.

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridge and culverts on Project 542, Guilford Co., to F. D. Lewis & Son, Greensboro, $40,185; on Project 6640, Richmond Co., to T. A. Loving, Greensboro, $35,595; on Project 834, Henderson Co., to D. S. Blount, Charlotte, $31,255; on Project 279, Sampson Co., to **Kiker & Yount**, Reidsville, $36,281; and on Project [illegible] Transylvania Co., to Belote Constr. Co., Asheville, $66,691. Grand total $210,0[illegible] Noted July 15.

North Carolina—Comrs. Lee Co. (Sanford) and Chatham Co. (Pittsboro), 615 ft. concrete bridge across Cape Fear River, at Avents Ferry, to Kiker and Yount, Reidsville, $79,000.

Georgia—See "Streets and Roads."

Miss., Port Gibson—See "Streets and Roads."

Miss., Money—Greenwood Co., one 228 ft. swing span and two 60 ft. low truss approach span bridge over Tallahatchie River, near here, incl. 300 cu.yd. concrete, 23,000 lb. reinforcing, etc., to Nashville Bridge Co., Shelby Ave., Nashville, Tenn., $45,141.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., constructing steel girder bridge and approaches on 0.067 mi. Sect. "D" Ashland-Wooster Rd., Ashland Co., to D. A. Phillips & Son, Ashland, $33,865; 39 ft. concrete beam bridge and approaches on Sect. "A" Delphos-Mt. Marys Rd., Auglaize Co., to Gluss Bros. Constr. Co., Hamler, $12,726; and 36 ft. span bridge Sect. "I" National Rd., Muskingum Co., to Tweed & Jackson, Columbus, $9,364; 30 ft. span concrete arch bridge, Sect. "B-1" Youngstown-East Liverpool Rd., Columbiana Co., to H. C. Armstrong, Lisbon, $10,166; extensions to 140 ft. arch bridge over east fork Black River, Sect. "Elyria Bridge" Cleveland-Elyria Rd., Lorain Co., to G. W. Luke & Sons, 122 Kensington Court, Canton, $28,847; steel span type bridge and approaches, Sect. "F" Newark-Coshocton Rd., Muskingum Co., to R. H. Strait, Zanesville, $20,055; three 30 ft. span concrete bridge and approaches, Sect. "Portsmouth Bridge" Ohio River Rd., Scioto Co., to J. P. Hickey, 1471 East Broad St., Columbus, $62,241; guard rail for bridge, Sect. "M" same road, to Universal Contg. Co., Portsmouth, $3,574. Grand total $180,838.

Michigan — State Hy. Dept., Lansing, furnishing steel for Bridge 611201, 260 ft. long, Muskegon Co., to Muskegon Bridge Wks., Muskegon, $6,991; and erecting above to Love Constr. Co., Muskegon, $37,334.

Ia., Independence—Buchanan Co., 4 span spandrel filled concrete arch bridge, on Federal Aid Project 262, to Miller-Taylor Constr. Co., Waterloo, $37,680.

Kan., Girard—Crawford Co., grading and two 20 ft. slab span bridge on Federal Aid Project 346-A, to Independent Constr. Co., Pittsburg, grading at engineer's estimate, and bridge $4,032. Noted June 17.

Kan., Hutchinson—Reno Co., Ninnescah River Bridge and Silver Creek bridge, both on Federal Aid Project 232-A, to L. W. Rexroad, Salina, $12,198 and $13,894 respectively. Noted June 24.

Kan., Oskaloosa—Jefferson Co., to Monarch Eng. Co., Falls City, Neb., improving Federal Aid Project 222-G, Bridge 1 $9,353, Bridge 2 $25,256, and grading 0.489 mi. $10,585. Grand total $45,194. Noted June 24.

Ark., Paragould—State Hy. Dept., Little Rock, 1,729 ft. I-beam bridge over St. Francis River, on Federal Aid Project 276-A, Greene Co., east of here, 1.8 acres clearing, 59,420 ft. untreated and 278,900 ft. treated timber, 11,328 ft. treated piling, 15,750 lb. structural steel, etc., to J. F. Mullins, 1818 Chestnut St., Pine Bluff, $40,279.

Tex., Graham—See "Streets and Roads."

Tex., Mt. Pleasant—See "Streets and Roads."

Dams

Proposed Work

Colo., Denver—Soon takes bids concrete masonry dam in Bear Creek Canyon 4 mi. above Evergreen. $200,000. A. K. Vickery, City Hall, engr. Noted Dec. 10.

N. B., St. John—New Brunswick Electric Power Comn. soon takes bids replacing present wooden dam with concrete dam at Loch Alva. $40,000.

Bids Desired

Mass., Chicopee—Aug. 19, by Bd. Water Comrs., at office J. F. Sullivan, supt. Water Dept., impounding dam and reservoir. Morris Knowles, Inc., engrs., adv. E. N.-R. Aug. 5.

Pa., Shippensburg — Aug. 12 (extended date), at office J. B. Hockersmith, boro clk., constructing concrete and earth dam; relocating road and appurtenant work. Franklin & Co., 906-7 Crozer Bldg., Phila., engrs.; adv. E. N.-R. Aug. 5. Noted July 1.

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Railways

Bids Desired

Minnesota—See "Contracts Awarded."

Contracts Awarded

West Virginia—Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., A. C. Shand, ch. engr., track work, grading and masonry construction of yard, in Hollidays Cove, here, to T. J. Foley Co., Fulton Bldg., Pittsburgh, Pa. Engrs. est. $80,000.

Alabama — Louisville & Nashville R.R. Co., Louisville, Ky., W. H. Courtenay, ch. engr., grading road and building spur track from main line of railroad to Stringer Bros. foundry plant, east Gadsden, here, to H. M. Salvo, Gadsden, $40,000. Engrs. est. $41,000.

Minnesota — Minneapolis, Northfield & Southern R.R. Co., 209 Lincoln Bank Bldg., Minneapolis, R. C. Smith, ch. engr., 6 mi. track between Luce Line Junction and Robbinsdale, to Nolan Bros., 18 North 2nd St., Minneapolis, approximately $225,000.

Minnesota—Minneapolis Street R.R. Co., 1 South 11th St., Minneapolis, will extend tracks on 42nd St. between Cedar and 34th Aves. and 34th Ave. to 54th St., in Minneapolis, by day labor. $200,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Miss., Bay St. Louis—Hancock Co. election Aug. 10, $1,250,000 bonds, seawall from here to Lakeshore. J. B. Converse, representing J. W. Billingsley, New Orleans, La., engrs. Noted July 8.

Texas—Presidio Co., State and Federal Government, c/o Presidio Co. Com. Court, Marfa, making preliminary plans giant dam, 1,000 ft. high, and impounding 50,000,000 acre feet water in St. Helena Canyon, backing up water for many miles between solid rock walls in Grand Canyon of Rio Grande River. $60,000,000.

Tex., Corpus Christi—Nueces Co. making preliminary surveys drainage work in Bisho Driscoll Drainage Dist. $300,000 or more. J. W. Bones, Corpus Christi, engr.

Tex., Edinburg—M. Goodwin making preliminary plans concrete canals, etc., on 25,000 acre plot for irrigation purposes. $400,000. Address Owner.

Tex., Robstown—Voted $30,000 bonds, drainage project. Address Mayor.

Bids Desired

New Jersey—Aug. 23, at office Bd. Commerce & Navigation, State House, Trenton, dredging 2 sections beach channel in Little Egg Harbor Bay, Ocean Co., between main channel at Beach Haven and point south of State Highway Bridge over Manahawkin Bay. V. Gelineau, dir.; adv. E. N.-R. Aug. 5.

O., Cleveland—Aug. 6, by City, repairing submerged crib in Lake Erie. R. Hoffman, City Hall, engr.

Contracts Awarded

Mass., Edgartown — Commonwealth of Massachusetts, Boston, dredging 20,000 cu. yd. and constructing stone gutters, etc., here, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $31,708.

Arkansas—St. Francis D. D., Clay Co. (Piggott) and Greene Co. (Paragould), 55 mi. ditch in Subsidiary D. D. 20, incl. 2,000,000 cu.yd. excav., to Clark & Mayo, Paragould, at $0.085 per cu.yd.

Calif., Hanford—North Central Reclamation Dist., 600,000 to 600,500 cu.yd. earthwork for 9 mi. levee, to Jasper-Stacy Co., 216 Pine St., San Francisco.

Ontario — Dept. Pub. Wks., Parliament Bldgs., Ottawa, dredging harbor of Midland, to Carson Constr. Co., 66 Yonge St., Toronto, $9,300; in Goderich, to W. L. Forrest, Goderich, $42,500; Port Dover, to J. E. Russell Constr. Co., Reford Bldg., Toronto, $9,000; and in Toronto, to Kilmer & Barber Ltd., 10 Adelaide St. E., Toronto, $32,400. Grand total $93,200.

Streets and Roads

Proposed Work

Mass., Boston—Plans asphaltic macadam repaving Lanark Rd., Horace, Homer and Byron Sts. $25,000 or more. J. H. Sullivan, comr.

Conn., Willimantic — Plans permanent paving portions West Main and Bridge Sts. $100,000. J. C. Tracy, mayor.

N. J., Beverly—Mayor and Boro Council plan curbing and sidewalks on 32 streets. Remington & Vosbury, 509 Cooper St., Camden, engrs.

N. J., Mount Ephraim—Mayor and City Council plan grading, curbing and sidewalks on Black Horse Pike. $40,000. C. Edgar, Mt. Ephraim, engr.

N. J., Trenton—City Comn., from Union Paving Co., 30th and Locust Sts., Phila., Pa., sheet asphalt paving Hudson St. $56,922, Hanford Pl. $5,204, North Willow St. $7,160, Dayton St. $26,360, also Barnt and Deklyn Aves. $17,311; from Agabiti Bros., Division St., Kuhn Alley $990, Belgrade Alley $1,106, Jenter Alley $1,230 and Walklett Alley $502. Noted June 17.

N. J., Woodlynne (mail Camden)—Mayor and Council plan improving ¼ mi. Ferry Ave. $25,000. Engineer not selected.

W. Va., Huntington—Grant Dist. election Aug. 24, $300,000 bonds, improving roads in Cabell Co. J. M. Oliver, engr.

North Carolina — State Hy. Dept., Raleigh, plans grading and concrete or asphalt paving 129.249 mi. highways in 14 counties. $2,040,800. L. R. Ames, Raleigh, engr.

N. C., Chapel Hill—Plans curbing, guttering, sidewalks, paving, etc., various streets. $40,000. W. S. Roberson, mayor.

N. C., Spencer—Soon takes bids curbing, paving, etc., various streets. $82,000. M. L. Kiser, mayor.

Ga., Rome—Voted $60,000 bonds, paving various streets.

Ala., Huntsville—Voted $224,000 bonds, improving various streets.

Miss., Grenada—Grenada Co. voted $75,000 bonds, improving 8 mi. Calhoun-Grenada Rd.

Miss., Leakesville—Green Co. postponed taking bids improving 5.097 mi. Piave-Richton Rd. H. C. Dietzer, Jackson, engr. Noted July 1.

La., Marksville—Avoyelles Parish sold $266,000 bonds and made plans grading and graveling roads in Dists. 1, 2 and 3.

La., Slidell — St. Tammany Parish voted $150,000 bonds, grading and graveling 15 mi. Road Dist. 8. Noted Jan. 28.

La., Thibodaux—Lafouche Co., plans selling $50,000 bonds, Aug. 11, grading, hardsurfacing, etc., road from cutoff to Golden Meadow in Dist. 8. When bonds are sold State Hy. Dept. will take over above work. C. J. Conlon, clk. Noted Apr. 29.

Tenn., Henderson—Plans curbing, guttering, sidewalks and probably asphalt on concrete paving, 2nd St. from Ingram St. to Illinois Central R.R. tracks. L. Brown, city engr.

Ohio—G. F. Schlesinger, dir. Highway & Pub. Wks., Columbus, rejected bids July 16, grading and traffic bound macadam paving, etc., 8.06 mi. highways in Adam and Richland Counties; plain concrete paving 4.515 mi. in Medina Co.; concrete widening, etc., 6.365 mi. road in same county. Noted July 8.

O., Canton—Comrs. Stark Co. soon take bids hard surfacing 4.2 mi. Brewster-Wilmont Rd. 16 ft. $35,000-$50,000. A. M. Wise, Courthouse, engr.

Ind., Evansville—Plans probably asphalt resurfacing portions Walnut, Heidelbock, Maryland, Water, Vine, 8th and 6th Sts. To exceed $25,000. H. Males, City Hall, mayor.

Michigan—W. W. Lavers, resident engr., Plymouth, takes bids about Sept. 1, concrete paving 5 mi. T. L. 10-61, 40 ft., Oakland Co., for State Hy. Dept., Lansing.

Michigan—R. W. Roberts, resident engr., Saginaw, takes bids about Aug. 27, concrete paving 6 mi. F. A. 239, Sect. B, 20 ft., Tuscola Co., for State Hy. Dept., Lansing.

Mich., Detroit—Making plans berea or concrete curbing, 3½ sheet asphalt on 8 in. concrete paving 21,500 sq.yd. Monnier, 14th and Santa Clare Aves. $86,250. P. A. Fellows, City Hall, engr.

Mich., Fordson—Made plans concrete curbing, storm sewers and one course 8 in. concrete paving 69,704 sq.yd. Assessment Dists. 131, 148, 149, 150, 155, 160, 161, 163, 164, 165, 167 and 169. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Farmington — Making preliminary plans grading, curbing and hardsurfacing various streets. $172,000. F. M. Connolly, 432 Peoples Trust Bldg., Galesburg, engr.

Ill., Galesburg—Plans vertical fibre brick on 4 in. concrete paving, etc., 4 blocks Indiana Ave. $17,936. A. L. Richey, City Hall, engr.

Ill., Galesburg—Plans grading, curbing, guttering and vertical fibre brick paving 3 blocks Monroe St., $16,058, and 2 blocks South West St., $13,352. A. L. Richey, City Hall, engr.

Wis., Oconto—P. T. Meeuwsen, city clk., soon takes bids concrete paving, etc., 15,000 sq.yd. Superior and Scherer Aves., Main and Mott Sts. To exceed $25,000. W. B. Hall, City Hall, engr. Noted June 10.

Ia., Casey—Making plans paving 8,000 sq.yd. various streets. $25,000. Henningson Eng. Co., 300 Natl. Bank Bldg., Omaha, Neb., engrs. Noted June 17.

Ia., Des Moines — Plans widening and resurfacing 15 blocks Euclid Ave. C. Kastberg, city engr.

Ia., Independence—Buchanan Co. soon takes bids grading and gravel surfacing 12,000 to 15,000 cu.yd. various streets. A. R. Bartell, Court House, engr.

Minn., Anoka—A. A. Caswell, aud. Anoka Co., grading, etc., approximately 25 mi. Job 2601, from W. N. Petrie, Champlin, $39,139.

Kan., Burlington—Coffey Co. plans grading, etc., 7.45 mi. Federal Aid Project 352-A, 28 ft. A. P. Patterson, Burlington, co. engr.

Kan., Eureka — Greenwood Co. plans grading and concrete paving 2,000 ft. Federal Aid Project 322-B and C. R. L. Marlin, Eureka, co. engr.

Kan., Mankato—Jewell Co. plans improving 5.975 mi. Federal Aid Project 272-D, 28 ft. V. B. Fredenhagen, Mankato, co. engr.

Kan., Norton—Norton Co. plans grading and concrete or brick paving, etc., 0.714 mi. Federal Aid Project 343-A, 18 and 70 ft. C. P. McDonald, Norton, co. engr.

Kan., Westmoreland—Pottawatomie Co. plans grading, etc., 4.332 mi. Federal Aid Project 351-A, 28 ft. L. F. Wharty, Westmoreland, co. engr.

Kan., Wichita—Sedgwick Co. plans grading and concrete or brick paving, etc., 5.053 mi. Federal Aid Project 342-A, 18 ft. M. Roseberry, Wichita, co. engr.

Mo., Canton—City, c/o S. W. Harris, clk., postponed indefinitely hardsurfacing, etc., 10 blocks various streets. $25,000. Noted May 27.

Mo., Farmington—City postponed bids to have been opened July 20, concrete paving approximately 15,000 sq.yd. various streets. To exceed $25,000. Noted June 17.

Mo., St. Joseph — Voted $50,000 bonds, improving various streets. W. M. Spann, City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans granite block repaving, etc., Miller St. $23,500; asphalt, amiesite or warrenite bitulithic paving, etc. Nebraska Ave. $11,150-$11,400, Harney Ave. $10,500-$11,300, Sherry Ave. $26,300-$28,300, and Graham Ave. $6,400-$700; vibrolithic, bitulithic concrete, amiesite, warrenite, bitulithic or asphalt paving, etc. Marcus St. $16,100-$16,800; asphalt or rein.-con. paving, etc. Magnolia St. $14,900-$15,900, Frederick St. $5,550-$15,800 and Oleatha St. $12,600-$13,450; asphaltic concrete, aimesite, warrenite or rein.-con. paving, etc. Amelia Ave. $18,600-$20,100, and Elizabeth Ave. $8,900-$9,600. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making plans grading, etc. Bethold St., Roswell Ave and Victoria Pl., $27,800; asphalt, amiesite or warrenite paving, etc. Graham St. $13,500 $13,800, Eiler St. $15,800-$16,100, Harris Ave. $14,630-$14,860, Leffingwell Ave. $12,700-$12,900, and Leffingwell Ave. between Madison and St. Louis Sts. $28,400-$29,700; asphaltic concrete, warrenite bitulithic, asphalt, amiesite or rein.-con. paving, etc., Eichelberger St. $6,450-$6,950, Elizabeth Ave. $10,550-$11,500, San Francisco St. $7,500-$8,150, Iowa St., $22,300-$22,800; asphaltic or rein.-con. paving, etc. Kossuth St. $9,300-$9,630; and amiesite or warrenite paving, etc. Kingshighway St. $107,550-$108,000. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making plans granite block paving, etc., 1 alley; and concrete paving, etc., 12 alleys. $62,940. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids grading, asphalt pav-

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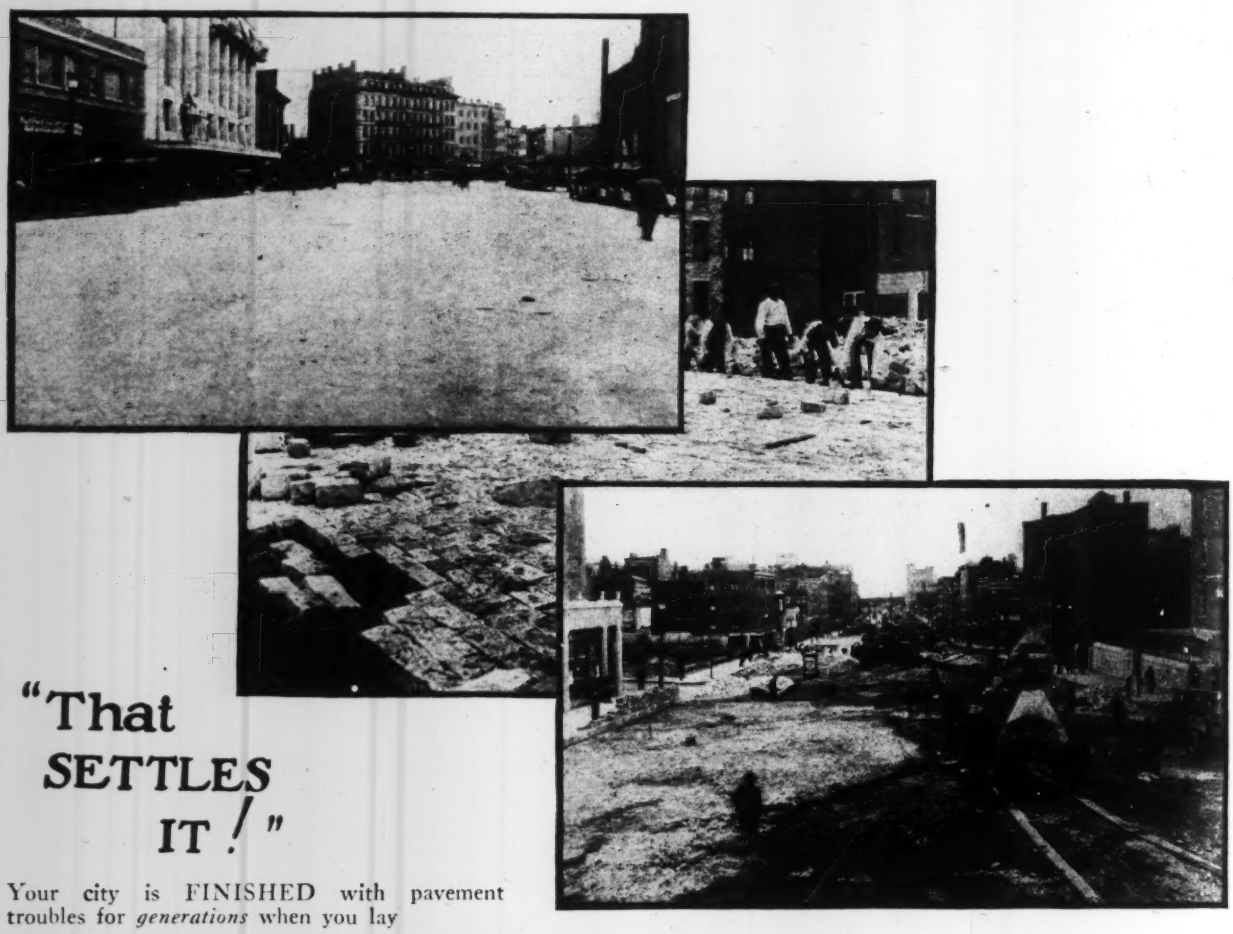

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Streets and Roads (Continued)

ing, etc., 1,960 sq.yd. Bates St., $14,300; grading and concrete paving, etc., approximately 32,536 sq.yd. 24 alleys, $106,484. W. W.-Horner, 300 City Hall, engr.

Ark., Little Rock—Takes bids about Aug. 15, grading, curbing, guttering and paving 15,000 sq.yd. streets in Impvt. Dist. 450. V. P. Knott, 401 Home Insurance Bldg., engr.

Ark., Little Rock—Making preliminary plans grading, curbing and paving streets in Impvt. Dist. 444, $44,000, and 15,500 sq. yd. in Impvt. Dist. 449. W. T. Field, 334 Gazette Bldg., engr.

Ark., Siloam Springs — Making preliminary plans grading, curbing, guttering and paving 15 blocks streets in Dist. 5; and paving, etc., 7 blocks in Annex 1 of Dist. 4.

Tex., Anderson—Making plans grading, bridging, etc., 7.5 mi. Highway 90, in Rd. Dist. 6, 26 ft. $70,500. C. A. Seward, Jr., Navasota, engr.

Tex., Anderson — Grimes Co. making plans gravel surfacing 5.088 mi. Highway 90, 18 ft. $48,700. O. A. Seward, Jr., Navosata, engr.

Tex., Clairemont—Kent Co. making plans gravel surfacing 13.378 mi. Highway 84. $120,000. L. M. Ferlet, Clairemont, engr.

Tex., Cold Springs—Making plans grading and bridging 5.871 mi. Federal Aid Project 426-B. $75,420. R. H. Spiller, Cold Springs, engr.

Tex., Conroe—Making plans grading and gravel surfacing 6.31 mi. Highway 19, Federal Aid Project 460-A. $75,000. R. H. Spiller, Cold Springs, engr.

Tex., Corpus Christi—Nueces Co. making plans macadam and rock asphalt paving 1.59 mi. Highway 16, 18 ft. $36,057. H. Levinson, Corpus Christi, engr.

Tex., Crystal City—Dimmitt Co. making plans hard paving 30 mi. Highway 55, on "Rainbow Trail," 18 ft. $560,000. G. M. Jowers, Crystal City, engr.

Tex., Gonzales — Gonzales Co. making plans gravel and bituminous paving 9.07 mi. Highway 3. $170,000. J. G. Irby, Nixon, engr.

Tex., Greenville—Hunt Co. made plans rein.-con. paving 0.97 mi. Highway 34, 30 ft. $50,000. F. C. Packard, Paris, div. engr.

Tex., Huntsville—Making plans rein.-con. paving 15.3 mi. Highway 19, 26 ft. $425,000. D. K. Caldwell, Huntsville, co. engr.

Tex., Sanderson—Terrell Co. soon take bids grading, bridging, etc., 5.231 mi. Highway 3, Federal Aid Project 324 D, 26 ft. $68,700. H. Stovell, Sanderson, co. engr.

Tex., Three Rivers—Plans election $60,000 bonds, permanent paving various streets. Address H. Coquat, mayor.

Tex., Vernon—Making plans paving 23 blocks various streets. $40,000. J. B. Nabors, Vernon, engr.

Okla., Ada—Plans grading, curbing, concrete and sheet asphalt paving 26,500 sq.yd. Main, Pontotoc and State Sts. $77,210. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Cherokee—Alfalfa Co. made plans grading, etc., 114,000 cu.yd. roads. $60,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., El Reno—Canadian Co. plans election soon $1,000,000 bonds, improving roads.

Okla., Kiefer—Making preliminary plans grading, curbing and concrete paving 10,270 sq.yd. Main St. $32,000. T. D. Workman, mayor. Engineer not announced.

Okla., Oklahoma City — Plans concrete paving 22,975 sq.yd. 21st, Indiana and Northwestern Aves., $73,140; also grading, curbing and sheet asphalt paving 17,560 sq.yd. 5 streets, $99,481. B. M. Hart, City Hall, engr.

Okla., Shawnee—Plans grading, curbing and concrete paving 8,470 sq.yd. 3 streets. $27,000. F. D. Brown, Shawnee, engr.

Okla., Stillwater—Payne Co. election Sept. 14, $1,000,000 bonds, improving roads. Noted July 29.

Colo., Denver—Concrete paving 12 blocks each Alley Paving Dists. 149 and 150, from W. F. Pigg & Son, Commonwealth Bldg., $14,607 and $12,937 respectively; Dists. 151 and 152, from Gordon Constr. Co., Barclay Blk., $15,946 and $18,943 respectively.

Calif., Atherton—Made plans grading and 6 in. waterbound macadam paving portions Linda Vista, Almedral, etc. $25,00 or more. G. A. Kneese, Court House, Redwood City,

Calif., El Monte—Made plans grading, curbing and 8 in. concrete paving 2,842 sq.ft. and 5- to 7-in. concrete paving 25,538 sq.ft. Granada Ave. and Gage St. S. M. Adams, city engr.

Calif., Fresno—Fresno Co. plans gravel surfacing approximately 30 mi. various roads, $270,000; also improving Rd. Dists. 2 and 5, $35,000. C. P. Jensen, Fresno, co. surv.

Calif., Glendale — Made plans grading, curbing and 3 in. oil macadam paving 1,652 sq.ft. and 5 in. concrete paving 39,661 sq.ft. Verdugo Knolls Dr., etc. J. F. Johannsen, city engr.

Calif., Los Angeles — Los Angeles Co. made surveys paving, etc., Beverly Blvd. between Montebello and Whittier. To exceed $25,000. County Road Eng. Dept., engr.

Calif., Los Angeles—Made plans 6 in. concrete paving 112,478 sq.ft. and 4 in. waterbound macadam paving 106,147 sq.ft. Riverside Dr.; also walks and 6 in. concrete paving, etc., 45,380 sq.ft. portion Ventura Canyon Ave. J. C. Shaw, City Hall, engr.

Calif., Oakland — Made plans curbing, grading and National paving, etc., 121,778 sq.ft. 94th St. W. W. Harmon, city engr.

Calif., Oakland—Southern Pacific Co., 65 Market St., San Francisco, plans automobile roadway from Webster St. to auto ferry pier. To exceed $100,000 Eng. Dept. of Owners, engrs.

Calif., Oakland—Made plans grading and 2 in. Warrenite bitulithic on 6 in. concrete paving 71,300 sq.ft. West St. W. W. Harmon, city engr.

Calif., Oakland — Making plans paving, etc., Mountain Blvd., Grand, Excelsior, 5th and Lerida Aves., Harrison, Wood, Peralta and East 8th Sts. $204,000. W. W. Harmon, city engr.

Calif., San Bernardino—San Bernardino Co. making plans improving approximately 12 mi. roads in La Sierra Heights section. $150,000 or more.

Calif., San Bernardino—Making plans paving Magnolia Ave. between Ely and Chino Aves. To exceed $50,000.

Calif., San Diego—Made plans improving Coast Blvd., etc., 242,984 sq.ft 5 in. concrete paving, 87 cu.yd. excav., 667 sq.ft. concrete sidewalks, 3,393 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Francisco—Made plans, concrete and asphaltic concrete paving, etc. Diamond St. between Army and 28th Sts. $25,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Plans resetting curbs, reconstructing pavements, etc., on 14 streets. $159,240. M. M. O'Shaughnessy, city engr. Noted June 10.

Calif., Santa Ana—Orange Co. made plans 7 in. concrete paving 128,340 sq.ft., portion of Walker St.

Calif., Santa Ana — Orange Co. making plans curbing, concrete paving, etc., 19th St., Newport, Fairview Aves., etc. To exceed $25,000. J. L. McBride, Santa Ana, co. road comr.

Calif., Willows—Glenn Co. making plans 4 mi. roadway from Willows city limits of Wood St. to Feeney Bridge. B. Knock, Willows, co. surv.

Ont., Walkerville — City Council plans concrete paving Devonshire Rd. from Wyandotte St. to Canadian Natl. R.R. tracks. $40,000.

B. C., Vancouver—Voted $550,000 bonds, permanent hadrsurfacing various streets. C. Brackenridge, City Hall, engr.

Bids Desired

Massachusetts — Aug. 10, by Dept. Pub. Wks., Boston, bituminous macadam paving highway in Norwell, and 13,000 ft. in West Brookfield; bituminous concrete paving 5,000 ft. in Plympton; rein.-con. and bituminous concrete paving 1,900 ft. in Arlington; also concrete bridge and approaches in East Brookfield, $25,000. W. F. Williams, comr.

Mass., Roxbury (Boston P. O.)—Aug. 9, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Warren St., here. $31,000 bonds. J. H. Sullivan, comr.

Mass., Marshfield—Aug. 10, by Dept. Pub. Wks., Boston bituminous macadam paving 24,175 ft. highway, here. W. F. Williams, comr.

N. Y., Brooklyn—Aug. 11, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging and 7 in. concrete paving Avenue Y; grading and curbing Remsen Ave.; also grading, curbing and sheet asphalt on 6 in. concrete paving Chester St., Remsen and Alabama Aves.

N. Y., St. George—Aug. 12, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Forest Ave. from Bway. to Bard Ave.

N. J., Sergeantsville—Aug. 14, by Comrs. Delaware & Raritan Twps., penetration macadam paving 22,900 sq.yd. Sargeantsville-Walnut Brook Rd., Hunterdon Co., here, G. Davis, Whitehouse Station, engr.

Pennsylvania—Aug. 24, by State Hy. Comn., Harrisburg, rein.-con. or bituminous penetration paving, etc., approximately 45 mi. 13 projects in 11 counties. W. H. Connell, eng. executive and deputy secy. highways; adv. E. N.-R. Aug. 5.

Delaware—Sept. 1, by State Hy. Dept., Dover, grading, etc., 2.4 mi. Big Ash-Warrens School, and 2.46 mi. Harrington-Mastens Corner, Contr. 69; 1.487 mi. Elkton Rd.-Pleasant Valley School, Contr. 70; also 4.84 mi. Cheswold-Smyrna, Contr. 71; adv. E. N.-R. Aug. 5.

Maryland—Aug. 10, by State Rd. Comn., concrete shoulders on 1.47 mi. Contr. B-2-A, and 2 mi. Contr. B-33-A, Baltimore Co. J. N. Mackall, Garrett Bldg., chn.

Maryland—Aug. 10, by State Rds. Comn., Baltimore, concrete paving highway, Contr. P-68, graveling Contrs. P-65 and P-69, Prince George Co.; concrete shoulders on Contrs. B-2-A and B-33-A, Baltimore Co. J. N. Mackall, chn., adv. E. N.-R. Aug. 5.

Md., Baltimore—Aug. 11, by Bd. Awards, grading and concrete paving alleys, Alley Contr. 121, grading, curbing and sheet asphalt on concrete paving 9,740 sq.yd. Contr. 360; and concrete paving, etc., 10,600 sq.yd. Contr. 359. S. Purcell, City Hall, highways engr.

West Virginia — Aug. 24, by State Hy. Dept., Charleston, grading and paving 56.5 mi. roads in Greenbrier, Nicholas, Sumsers, Lincoln, Putnam, Wayne, Braxton, Gilmer and Marion Counties. E. B. Carskadon, secy.; adv. E. N.-R. Aug. 5.

W. Va., Clarksburg—Aug. 12, by Harrison Co. Court, grading, hardsurfacing, etc., 1 mi. Clark Dist., 2.5 mi. Clay Dist., 0.5 mi. Coal Dist., 10 mi. Eagle Dist., 2 mi. Grand Dist., 2.5 mi Sardis Dist, 3 mi. Simpson Dist., 2.5 mi. Union Dist., and 3.5 mi. Tenmile Dist.; also Romines Mill Bridge, 85 ft. span concrete over Elks Creek, and Thornberry Bridge, 50 ft. span rein.-con. over Lost Creek. $260,000. C. N. Parrish, co. clk.

W. Va., Glenville—Aug. 10, by Gilmer Co. Court, improving county district road near Steer Creek, also constructing Sand Fork Bridge, 140 ft. steel truss on concrete substructure, with 18 ft. roadway, Project 3280-B. R. H. McQuian, co. road engr.

N. C., Durham—Aug. 9, by A. H. Carver, chn. Bd. Comrs., Durham Co., asphalt or concrete paving, etc., 32,000 sq.yd. New Hope Valley Rd. G. C. White, Durham, engr.

N. C., Lexington—Aug. 8, by City, curbing, guttering, sidewalks and paving 15,843 sy.yd. various streets. $50,000. J. A. Leonard, mayor.

South Carolina—Aug. 12, by State Hy. Dept., Columbia, sand clay surfacing, etc., 2.85 mi. State Route 40, Federal Aid Project 267-C, Georgetown Co. H. G. Jones, Florence, engr.

Ala., Birmingham — Sept. 1, by City Comn., asphalt on concrete paving 34 blocks various streets, 40 and 50 ft. $175,640.

Louisiana—Aug. 10, by State Hy. Comn., Baton Rouge, graveling Projects 399-B, 398, 298-C, 398-D, and 398-E in Sabine and Natchitoches Parishes. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Kentucky—Aug. 23, by State Hy. Dept., Frankfort, grading approaches to bridge over Little Kentucky River on Carrolton-Milton Rd., Carroll Co., low type surfacing 31.5 mi. roads in Fleming, Harrison, Nicholas and Warren Counties, 16 ft., and grading 25.3 mi. roads in Metcalf, Monroe and Shelby Counties. E. N. Todd, highway engr.

O., Cleveland—Aug. 11, by Bd. Comrs., Cuyahoga Co., paving North Woodland Rd. To exceed $25,000. F. Lander, Court House, engr.

O., Cincinnati—Aug. 6, by Comrs. Hamilton Co., grading and tar bound macadam repaving 24,563 sq.yd. Shawnee Run Rd. $132,266. E. A. Gast, Court House, engr.

O., Columbus—Aug. 10, by W. H. Duffy, dir. Pub. Serv., grading and paving 580 sq. yd. alley north of Bellows Ave., brick $2,560, asphalt $2,319; 1,565 sq.yd. Linden Court, brick $10,928, asphalt $9,987, concrete $9,246; asphalt resurfacing 16,700 sq. yd. Rich St. $35,816; grading 200 cu.yd. alley west of Wesley Ave.; paving 15,235 sq. yd. Fremont, Clark, Guernsey, and Huron Aves., brick $104,965, asphalt $95,324. Noted July 22.

O., Lisbon — Sept. 1, by Comrs. Columbiana Co., surfacing, etc., Summityville-

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Streets and Roads (Continued)

Salineville Rd. $30,000. L. C. Kirk, Lisbon, engr.

O., Parma (Cleveland P. O.)—Aug. 6, by Village, paving 2 streets. To exceed $25,000. Munz Eng. Co., Natl. City Bldg., Cleveland, engrs.

Indiana — Aug. 11, at office State Hy. Comn., Indianapolis, paving 2.23 mi. State Road 37, Sect. A, Marion Co. J. D. Williams, dir.

Ind., Anderson — Aug. '15, by Comrs. Madison Co., concrete paving 1½ mi. 38th St., 24 ft. $50,000. M. H. Steele, Anderson, surv.

Ind., Anderson — Aug. 15, by Comrs. Madison Co., concrete paving 0.9 mi. Amanda James Rd., 30 ft. $26,000. A. B. Steele, Anderson, engr.

Ind., Crown Point—Aug. 16, by Comrs. Lake Co., grading and paving Nicholas J. Rohrman et al Rd., in St. John Twp. $26,500. W. E. Whitaker, co. aud.

Ind., Lebanon—Aug. 7, by Comrs. Boone Co., constructing Isenhower and Bowen Highway. $34,400. M. Harvey, Lebanon, aud.

Ind., Vincennes — Aug. 9, by Bd. Pub. Wks., City Hall, paving Nicholas St. from 1st to 11th Sts. E. J. Julian, city clk.

Michigan—See "Contracts Awarded."

Michigan—Aug. 4, by W. W. Lavers, resident engr., Plymouth, concrete paving 82,224 sq.yd. A. D. 418, Wayne and Monroe Counties for State Hy. Dept., Lansing. State furnishes 26,579 bbls. cement.

Michigan—Aug. 9, by A. R. Schaefer, resident engr., Newberry, concrete paving 25,142 sq. yd. F. A. 159, Sect. A., 20 ft., Schoolcraft Co., for State Hy. Dept., Lansing.

Michigan—Aug. 12, by C. Vinton, resident engr., Jackson, grading, etc., 1.25 mi. T. L. 39-13, Ingham Co., for State Hy. Dept., Lansing. Noted July 29.

Wis., La Crosse—Aug. 12, by C. C. Congdon, city engr., 3 in. vertical fibre brick, asphaltic concrete (natural or oil asphalt with cement or seal coat finish), warrenite, bitulithic, asphaltic macadam, rein.-con. or vibrolithic concrete paving, etc., 16,165 sq.yd. various streets; and concrete paving 44,492 sq.ft. alleys and driveways on 15 streets.

Ia., Anamosa—Aug. 10, at office Auditor Jones Co., and by Lovelle and Castle Grove Twps., gravel surfacing 2 roads, 14,000 cu. yd. gravel 1 mi. haul, 78,000 units additional haul, 6,000 cu.yd. stripping, etc., and Twp. Roads, 11,500 cu.yd. gravel 1 mi. haul, 51,800 units overhaul, 5,750 cu.yd. stripping, etc. F. S. Yetter, Anamosa, co. engr.

Ia., Carroll—Aug. 9, at office Auditor Carroll Co., graveling, etc., secondary roads, 6,000 cu.yd. gravel, 45,000 units overhaul, etc. J. F. Maher, Carroll, co. engr.

Ia., Cedar Rapids—Aug. 12, by Auditor Linn Co., graveling 10,901 mi. Federal Aid Project 230-B, and 11.456 mi. Marion Rd. A. F. Miller, co. engr.

Ia., Cedar Rapids—Aug. 12, by Auditor Linn Co., gravel surfacing 12,601 cu.yd. Federal Aid Project 224; and 10,901 cu.yd. Federal Aid Project 230-B. A. F. Miller, Court House, engr.

Ia., Centerville—Aug. 12, at office Auditor Appanoose Co., gravel surfacing 3,270 cu.yd. Primary Project 227-A.

Ia., Des Moines—Aug. 12, by R. P. Bane, city clk., sheet asphalt, concrete, vibrolithic and brick paving 8,314 sq.yd. various streets. $25,000. K. C. Kastberg, City Hall, engr.

Ia., Onawa—Aug. 17, at office Auditor Monona Co., gravel surfacing Road 12.

Ia., Orange City—Aug. 10, at office Auditor Sioux Co., grading, etc., 21,831 cu.yd. Road Project 11.

Ia., Oskaloosa—Aug. 24, by Clerk Jefferson Co., concrete, brick or bituminous macadam paving 0.84 mi. Federal Aid Project 133-B, and 3.563 mi. Federal Aid Project 229-B. R. C. Ham, Oskaloosa, co. engr.

Ia., Sigourney—Aug. 10, at office Auditor Keokuk Co., grading, etc., 6,334 cu.yd. road; also 1,270 ft. 15- to 24-in. corrugated metal culvert pipe.

Ia., Spencer—Aug. 9, at office Auditor Clay Co., graveling 13 mi. secondary roads. F. Campbell, Spencer, co. engr.

Ia., Tipton—Aug. 10, by Auditor Cedar Co., grading, etc., 165,766 cu.yd. Federal Aid Project 213. R. P. Zimmerling, Court House, engr.

Ia., Toledo—Aug. 10, at office Auditor Tama Co., graveling Garwin-Howard Rd. J. N. Benson, Toledo, co. engr.

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Ia., Waterloo—Aug. 9, at office Auditor Black Hawk Co., grading, etc., 12,750 cu.yd. Eagle Center-Voorhies Co. Rd.

Kan., Burlington—Aug. 12, by Clerk Coffey Co., grading, etc., 7.45 mi. Federal Aid Project 352-A. A. P. Patterson, co. engr.

Kan., Oskaloosa—Aug. 24, by Clerk Jefferson Co., fine grading, and vitr. brick, bituminous macadam or concrete paving 9,315 sq.yd. Federal Aid Project 133-B and 39,522 sq.yd. Federal Aid Project 229-B. R. C. Ham, Oskaloosa, co. engr.

Kan., Sedan — Aug. 25, by Clerk Chautauqua Co., grading, etc., 6.502 mi. Federal Aid Project 356-A, 28 ft., 30,575 lb. reinforcing, etc. C. E. Fesler, Sedan, co. engr.

Kan., Troy—Aug. 27, by Clerk Doniphan Co., grading, etc., 10,664 mi. Federal Aid Project 349-B, 28 ft. 103,710 lb. reinforcing, etc. H. L. Parker, Troy, co. engr. Noted Jan. 14.

Mo., Carthage—Aug. 9, by E. S. Glenn, city engr., grading, asphaltic concrete or amiesite paving, etc., approximately 13,250 sq.yd. various streets, for City.

Mo., St. Louis — Aug. 17, by Bd. Pub. Serv., 208 City Hall, concrete sidewalks on various streets. $26,600. W. W. Horner, 300 City Hall, engr.

Tex., Abilene — Aug. 10, by L. C. McCanlies, engr., Abilene, grading and bridging 6.63 mi. Highway 1-A, Federal Aid Project 495-D, $40,000; also 11.585 mi. Highway 1, Federal Aid Project 77, $49,882, for Taylor Co.

Tex., Cold Springs—Aug. 14, by J. P. Spiller, engr., grading and bridging 5.492 mi. Highway 45, State Aid Project 682, for San Jacinto Co. $25,000. Noted July 8.

Tex., Eagle Pass — Aug. 12, by C. E. Wright, engr., Eagle Pass, graveling 12.09 mi. Highway 85, State Aid Project 569-A, $40,000; also 11.96 mi. Highway 85, State Aid Project 569-B, $48,000, for Maverick Co. Noted June 10.

Tex., Ft. Worth — Aug. 17, by D. L. Lewis, city engr., paving Camp Bowie Blvd. from Janguinett St. to city limits, for City. $75,000.

Okla., Cushing—Aug. 12, by G. Estey, city engr., grading, curbing and concrete paving 7,619 sq.yd. Dists. 51 to 57 (inclusive), for City. $25,841.

California—Aug. 16, by State Hy. Comn., Sacramento, grading and concrete paving 3.2 mi. road between Michigan Ave., Whittier, and south city boundary, Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, engr.

California—Aug. 19, by State Hy. Comn. at Fresno office, asphaltic concrete widening and surfacing 0.6 mi. road between Cherry and Church Aves., Fresno Co. R. M. Morton, Forum Bldg., Sacramento, engr.

California—Aug. 23, by State Hy. Comn., Sacramento, concrete widening and asphaltic concrete surfacing 14.3 mi. road between Merced and south boundary. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Burbank—Aug. 12, by F. S. Webster, city clk., curbing, walks, and 4 in. bituminous paving, etc., portions Chestnut and Valencia Sts. To exceed $25,000.

Calif., Burlingame—Aug. 16, by City Trustees, curbing, guttering, sidewalks, warrenite on concrete paving, etc. California Dr. J. James, city engr.

Calif., Los Angeles—Aug. 16, by Comrs. Los Angeles Co., grading, oiling, screening and 6 in. disintegrated granite paving 18,781 sq.yd. portion Western Ave. G. Jones, Hall of Records, engr.

Calif., Mt. Shasta—City Trustees taking bids vibrolithic concrete paving 119,398 sq.ft. Alma, Cedar, Ivy Sts., etc.; also 336,583 sq.ft. Chestnut, Orem, McCloud Sts., etc. F. J. Mackey, city engr.

Calif., Oakland—G. Gross, clk. Alameda Co., taking bids 250,000 sq.ft. regrading, 176,000 sq.ft. oil macadam paving, etc., portion Bay Farm Island Rd. $25,000 or more. G. A. Posey, Oakland, co. surv. Noted July 8.

Calif., Pasadena—City Directors taking bids curbing, guttering, 6 in. oil macadam paving 214,409 sq.ft. and 2 in. oil macadam paving 140,776 sq.ft. Linda Vista Ave., Charles St., etc. W. C. Earle, city engr.

Calif., San Francisco—Aug. 18, by Bd. Pub. Wks., grading, curbing, guttering, paving, etc., Market St. extension. $85,000. M. M. O'Shaughnessy, city engr.

Ont., New Toronto—Aug. 6, by W. C. Millard, town clk., concrete curbing, guttering, and sheet asphalt on concrete paving 5,000 sq.yd. various streets, $25,000 James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—Aug. 10, by T. Foster, mayor, City Hall, asphalt and brick block on concrete paving Cavendish St., asphalt and hillside brick block on concrete paving Glen Manor Dr., Welter St., and Winthorpe Rd.; and concrete paving Glenview Ave. $50,000. R. C. Harris, City Hall, engr.

Cuba—Sept. 1, by Dept. Pub. Wks., Santa Clara Convent, Havana, constructing Central Highway, here. C. M. deCespedes, secy.; adv. E. N.-R. Aug. 5.

Bids Received

New Hampshire—State Hy. Dept., Concord, July 23 (**e.e. means engineers est.**) 3 in. bituminous macadam on 8 in. gravel paving 1.013 mi. Contoocook Valley, 18 ft., Cheshire Co., and 1.091 mi. Contoocook Valley, 21 ft., Hillsboro Co., from Catanese Constr. Co., 45 Harrison Ave., Fitchburg, $27,491 and $22,906 respectively, e.e. $40,000 and $28,000 respectively; 32 ft. span rein.-con. deck girder bridge and approaches over Hampton River on 0.037 mi. road in East Side, Rickingham Co. from Z. A. Houl, Lowell, Mass., $24,234. e.e. $40,000. Noted July 15.

Massachusetts—State Hy. Dept., Boston, July 27, bituminous macadam paving 1,200 ft. highway in Webster, and 3,600 ft. in Ashland, from B. Perini & Son, Ashland, $32,742 each, 12,992 ft. in Winchendon, from P. J. Keating, Fitchburg, $122,093, 3,000 ft. in Southborough, from R. H. Newell, Uxbridge, $26,869, 1,100 ft. in Wilmington, from B. H. Kertsen, Boston, $5,256, and 1,800 ft. in Lee, from C. E. Lindholm, Pittsfield, $15,922; rein.-con. paving 1,115 ft. in Millbury, from C. E. Horne, Millbury, $16,411, and 4,956 ft. in North Attleboro, from Hudson Constr. & Supply Co., Grosvenor Bldg., Providence, R. I., $62,884; bituminous concrete paving 2,500 ft. in Hanson, from O. T. Mann, South Hadley, $10,539, 6,300 ft. in Wareham, from G. W. Lawrence, Falmouth, $20,869. Noted July 22.

Massachusetts—State Dept. Pub. Wks., Boston, July 20, bituminous macadam paving 14,352 ft. highway in Leominster and Sterling, from G. Rossi & Sons, Leominster $108,005, 2,750 ft. in Westwood, from Unity Constr. Co., 42 Prospect St., Somerville $17,248, and 4,801 ft. in Hinsdale, from Richmond Foundation Co., Pittsfield $82,883; also gravel surfacing 4,600 ft. in Blackstone, from A. E. Pasquale, Milford, $8,495. Noted July 15.

Mass., Boston—Dept. Pub. Wks., recut granite block paving High St., from B. E. Grant Co., 100 Floyd St. Roxbury, $26,210; sheet asphalt paving Tremont St., from A. G. Tomasello & Son, Inc., 68 Devonshire St., $44,638; bithulithic paving same street, from J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $42,339.

Connecticut—State Hy. Dept., Hartford, July 20, from Lane Constr. Co., 37 Colony St., Meriden, rein.-con. paving 23,985 ft. highway in Windsor and Windsor Locks $164,000, from Bridgeport Concrete Constr. Co., 355 Ridgefield Ave., Bridgeport, 9,550 ft. in Ridgefield, $72,279, 1,394 ft. in Stamford, $22,409, and trap rock macadam paving 8,800 ft. in Fairfield, $36,382, from F. B. Hastings, Bridgeport, native stone macadam paving 5,210 ft. in New Canaan, $44,703; from D. Arrigoni, Middletown, waterbound macadam paving 7,415 ft. in Burlington, $59,785, from A. D. Bridges Sons, Hazardville, native stone macadam paving 10,005 ft. in Woodstock, $47,422, from Miller Bros. Constr. Co., 151 Earl St., Hartford, 4,282 ft. in Eastford, $28,547, and grading, etc., 3,407 ft. in Windsor and Windsor Locks, $35,308; from Connecticut Eng. & Contg. Co., Norwich, 3 span, 500 ft. concrete girder bridge in Plainfield, $24,393. Noted July 15.

N. Y., Albany—Bd. Contr. & Supply, July 26, from S. B. Eaton, 47 Fairlawn Ave., improving Russell-Blessing Rd. $33,044, also from T. S. O'Brien, 313 Delaware Ave., Grand View Terrace $14,876, and Garden St. $13,605; from B. Trimpoli, 124 Altamont Ave., Schnectady; also sewers in Kenosha St. $12,380, Orange St. $4,797, and in Cuyler Ave. $7,617.

New Jersey—State Hy. Dept., Trenton, July 26, embankments, steel and concrete bridges, etc., on Route 1 extension, Sect. 11, in Newark, Essex Co., from Stange Constr. Co., 2013 South Broad St., Phila., Pa., $1,416,910. Noted July 8.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, July 30, grading and bituminous concrete paving Forest Ave. from Bway. to Manor Dr., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $53,523. Noted July 29.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, July 28, from B. Greico, 44 Russell St., granite paving North 6th St., $52,936; from G. M. Mandato, 129 29th St., grading, etc., West 37th

Streets and Roads (Continued)

St., $6,571; from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Brooklyn Ave. $8,605, East 28th St. $6,977, and Lefferts Ave. $9,421, from M. J. O'Hara, Neptune Ave. and West 19th St., 60th St. $31,809, and 71st St. $5,062, from B. Turecamo Contg. Co., 8706 Bay 12th St., 17th Ave. $36,104, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Rutland Rd. $3,828, and from Borough Asphalt Co., 1301 Metropolitan Ave., West 37th St. $994. Noted July 22.

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., paving with (*) Mexican asphalt (†) standard asphalt (a) Arlington Pl. (b) Barnett St. (c) Clarence St. (d) Ideal St., from Standard Paving Ltd., Buffalo, (*a) $6,250 (*b) $8,320 (*c) $37,460 and (*d) $8,900; from H. P. Burgard Co., 1968 Fillmore Bldg., (†a) $5,682 (†b) $8,227 (†c) $36,821 (†d) $87,444; widening and repaving Fillmore Ave., from Rock Asphalt & Constr. Co., Morgan Bldg., $50,140 and $16,497 respectively. Noted July 1.

N. Y., New York — J. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, etc., Barnes Ave., from S. Nugent, Riverside Dr. and 170th St., $5,834; grading and sheet asphalt paving Plimpton Ave., from Asphalt Constr. Co., 2197 Madison Ave. $36,083, East 171st St., from C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd. $24,409, and Timpson Pl., from Brusstar Constr. Co., Edgewater Rd. and Stafford Ave. $35,000.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., July 26, grading and granite block on concrete repaving West St., from J. Meehan & Son, Inc., 90 West St., $608,788. Noted July 22.

Md., Baltimore—Bd. Awards, July 28, concrete paving 9,370 sq.yd. Contr. 357, from Arundel Contg. Co., Knickerbocker Bldg., $22,655, and sheet asphalt paving 11,200 sq.yd. Contr. 355, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $42,340. Noted July 22.

O., Akron — Summit Co., July 26, improving Boston-Mills Hudson Rd. 32, Sect. "C," 19,200 cu.yd. earth excav., 35,415 sq. yd. 9-7-9 in. (a) rein.-con. and 31,621 sq.yd. (b) bituminous concrete paving, etc., from Newell & Smith, Defiance, (a) slag $122,-317, limestone $124,796; from T. E. McShaffrey Constr. Co., 173 South Forge St., (b) $132,604.

O., Canton—Stark Co., graveling, etc., 2.6 mi. roadway from Canal Fulton to Wilson Corners, from J. H. Milliron, Canton, $42,632. Engrs est. $50,000. Noted May 20.

O., Cincinnati—Concrete repaving 12,500 sq.yd. Glenway Ave., from Andrews Asphalt Co., 717 Rentschler Bldg., Hamilton. $60,940. Engrs. est. $72,874. Noted Apr. 22.

O., Cincinnati—Director Pub. Serv., July 13, granite block repaving 8,000 sq.yd. McMicken Ave., from Cino Constr. Co., 221 West 9th St., $45,228. Engrs. est. $51,082. Noted July 8.

O., Cincinnati—Bd. Rapid Transit, July 16, **(e. e. means engrs. estimate)**, from General Asphalt Co., 1268 Dueber Ave., Canton, constructing Central Parkway (Sect. 1 to 3 inclusive), $807,848 e. e. $994,678, Central Parkway (Sect. 2), $324,417 e. e. $405,436, Central Parkway (Sect. 1), $358,350 e. e. $435,016, Central Parkway (Sect. 3), $143,-605 e. e. $158,927. Noted June 24.

O., Cleveland—Paving with (a) brick (b) bituminous concrete (c) concrete (d) sheet asphalt (1) Flamingo Ave. (2) West 37th St. (3) Hamilton Ave. (4) East 149th St. (5) Chester Ave. (6) Dorchester Ave. (7) Hallock Court (8) Kunz Ave. (9) Waterloo Rd. (10) East 173rd St. (11) West 117th St., from Freshwater Constr. Co., Davis & Farley Bldg., (a1) $18,823 (b1) $15,465 (c1) $14,570, (a2) $4,854; from Rieley Bros., The Arcade, (a3) $10,452 (b3) $9,311 (d3) $9,442 (a4) $8,932 (b4) $7,197 (c4) $6,551; from Cleveland Trinidad Paving Co., The Arcade, (d5) $73,752; from H. G. Herring, Wayside Rd., (a6) $26,790 (b6) $22,036 (c6) $21,649 (a7) $12,441 (c7) $8,652 (a8) $16,494 (b8) $13,698 (c8) $13,-055; from Gould & Maybach, 16311 Saranec Rd., (a9) $101,403 (b9) $90,588 (c9) $89,-393 (a10) $25,142 (b10) $20,939 (c10) $16,-991; from Roehl Bros., 7002 Denison Ave., (a11) $88,332 (c11) $78,936.

O., Cleveland Heights (Warrensville P. O.)—Bd. Educ., grading, etc., New High School grounds, from A. H. Loesch, State Rd., Parma, $29,800.

O., Cleveland Heights (Warrensville P. O.)—City, July 16, from Highway Constr. Co., Guarantee Title Bldg., Cleveland, curbing and asphaltic concrete paving Euclid Heights Blvd. $25,375, Delmore Rd. $6,905, Greyton Rd. $19,730, Hartwood Rd. $26,-661, Ivydale Rd. $20,059, Middleton Rd. $11,148, Oakwood Rd. $6,552, Preyer Rd. $12,466, Silsby Rd. $6,375, South Noble Rd. $11,431, and Wilmar Rd. $11,324. Noted July 15.

O., Cleveland Heights (Warrensville P. O.)—From Freshwater Constr. Co., Davis and Farley Bldg., paving, etc., Boynton Rd. $12,026, Castleton Rd. $20,905, Hazelton Rd. $7,737, Radcliffe Rd. $8,992, St. Albans Rd. $16,561 and Woodbridge Rd. $30,116; from Bentley Bros., Hanna Bldg., Overlook Rd. $25,895, and Surrey Rd. $2,891; from Cleveland Trinidad Paving Co., The Arcade, South Noble Rd. $4,905.

Michigan—State Hy. Dept. at comrs. office, Port Huron, July 14, concrete paving 25,462 sq.yd. T. L. 27-27, Sect. A, from J. H. Baker & Son, Port Huron, $51,274; and 41,694 sq.yd. T. L. 27-10, from Lewis & Freisinger, Ann Arbor, $136,220, both St. Clair Co. Noted July 8.

Michigan—State Hy. Dept. at comrs. office, Saginaw, paving 5.643 mi. F. A. 240 Sect. A., Genesee Co., from A. Jeffrey, Saginaw, plain concrete $172,613, and rein.con. $189,572. Noted July 15.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, July 22, concrete paving 2.437 mi. T. L. 12-48, 20 ft., Dickinson Co., from Carlson & Lundin, Menominee, for State Hy. Dept., Lansing, $86,213.

Michigan — State Hy. Dept., at office Wayne Co., Detroit, July 23, concrete paving 4.861 mi. F. A. 130, Sect. A, 20 ft., from W. L. Thon Co., Wyandotte, $158,511. Noted July 15.

Ill., Genesco—Grading, curbing and concrete paving 6 blocks various streets, from Rock Island Cement Co., Rock Island, $25,-350. Noted Mar. 4.

Tex., Anson—Jones Co., July 13, grading and bridging 15.265 mi. Highway 18, Federal Aid Project 477-C, from H. J. Evans, 500 West 15th St., Austin, $45,993. Engrs. est. $57,200. Noted July 8.

Tex., Center—State Hy. Dept., Austin, July 13, grading, bridging, etc., 5.02 mi. Highway 35, 26 ft., Shelby Co., from J. S. Moore Sons, Lufkin, $36,125. Engrs. est. $42,500. Noted July 8.

Tex., Clarksville—Red River Co., gravel surfacing 15.05 mi. Highway 5, from P. B. Price & Co., Paris, $64,457. Engrs. est. $70,000. Noted July 8.

Tex., Palestine—W. C. Quick, judge Anderson Co., July 9, graded earth approach to bridge across Trinity River between Anderson and Freestone Counties, from J. G. Ballinger, San Benito, $26,549. Engrs. est. $27,500. Noted June 24.

Colorado—State Hy. Dept, Denver, improving 5.014 mi.. Federal Aid Project 262-G, Costilla Co., from Central Constr. Co., La Veta, $44,822; gravel surfacing 1.476 mi. Federal Aid Project 294-B, Montezuma Co., from Engler & Teyssier, Durango $21,551, and 6.622 mi. Federal Aid Project 295-B, Conejos Co., from J. A. Duncan, Pagosa Springs, $32,317; sand clay surfacing 16.61 mi. and concrete paving 4.011 mi. Federal Aid Project 287-A, Constr. Div. 2, Morgan Co., from H. C. Lallier, Continental Trust Bldg., Denver, $119,017.

Colo., Denver—Curbing, grading and surfacing Capitol Hill, Impvt. Dist. 3, and asphaltic concrete paving South Capitol Hill Paving Dist. 5, from Western Paving Constr. Co., 3262 Blake St., $50,630 and $44,924 respectively, also Washington Park Paving Dist. 6, from New Mexico Constr. Co., 4015 Galapago St., $52,545.

Wash., Seattle—Bd. Pub. Wks., July 16, grading, etc., 20,600 cu.yd. Hamlet Ave., et al, from Paduano & Crisman, 1546 12th St., $42,863; 6 in. concrete paving, etc. 15,220 sq.yd. Jones Ave., et al, from J. B. Covello, 1510 16th St. S., $33,506; also grading 7 in. concrete paving, etc., 26,400 sq.yd. Renton Ave., et al, from Goetz & Brennan, Seaboard Bldg., $139,791.

Calif., El Centro — Imperial Co., 6 in. macadam paving 1,728,909 sq.ft. and 5 in. macadam paving 820,325 sq.ft. roadway between Seeley and Calexico, etc., from Wells & Bressler, California Bank Bldg., Santa Ana, approximately $585,000.

Calif., Los Angeles—From Griffith Co., Railway Bldg., improving 58th St., grading $5,000, 75,921 sq.yd. 5 in. concrete paving at $0.147 per sq.ft., 91,929 sq.ft. 6 in. concrete paving $0.176, etc., total approximately $36,640; also 7th St., grading $115,-000, 74,136 ft. asphalt paving $0.25 per sq.ft., 21,589 sq.ft. 6 in. concrete paving $0.21, 64,085 sq.ft. sidewalks $0.14, etc., total approximately $242,700.

Calif., Los Angeles—From Griffith Co., Railway Bldg., improving 5th Ave. between Slauson and Hyde Park Blvd., grading $18,800, 784,339 sq.ft. concrete paving at $0.169 per sq.ft., etc., total approximately $153,650.

Calif., Los Angeles—Supervs. Los Angeles Co., July 19, from Griffith Co., Railway Bldg., improving portion Atlantic Ave., Co. Impvt. 742, 11,518 cu.yd. excav. at $0.46 per cu.yd., 359,915 sq.ft. 7- to 10-in. concrete paving $0.207, and 148,679 sq.ft. 8 in. $0.215, etc., total approximately $131,160, Hawthorne Ave., Co. Impvt. 387, 8,563 cu. yd. excav. $0.62, 156,425 sq.ft. concrete paving $0.204, etc., total approximately $44,055, also East St., Co. Impvt. 251, 7,520 cu.yd. excav. $0.50, 148,010 sq.ft. concrete paving $0.1825, etc., total approximately $31,205. Noted July 8.

Calif., Martinez—Supervs. Contra Costa Co., July 19, from M. J. Bevanda, P. O. Box 561, Occidental, improving various street, in Fay-Andrade Tract, 6,719 cu.yd. excav. at $0.50 per cu.yd., 199,858 sq.ft. 6 in. oil macadam paving $0.11, 22,972 ft. concrete guttering $0.22, 11,691 ft. concrete curbing $0.50, etc., total approximately $35,000.

Calif., North Sacramento (mail Sacramento)—City Trustees, July 13, grading and 4 in. Willite paving, etc., El Camino and Cedar Aves., from A. Teichert & Sons, 1846 37th St., Sacramento, $43,275 and $14,660 respectively.

Calif., San Rafael—Marin Co., grading and rock surfacing 10,000 cu.yd. Millerton-Fallon Rd., from C. A. McDougall & Son, San Rafael, contractor furnishing culverts $53,627, owner furnishing culverts $50,127, and surfacing $2.50.

Calif., Salinas—Curbing, 4 in. hydrated concrete paving, etc., Clay, Auburn Sts., etc., from W. A. Dontanville, Salinas, $28,812.

Contracts Awarded

Massachusetts — Dept. Pub. Wks., Boston, graveling and bituminous macadam surface treating 4,400 ft. highway in Ipswich, to Taylor & Dempsey, Milford $12,069, and 7,842 ft. in Sterling, to Phipps Bros. Co., Hopkinton $23,917; bituminous macadam paving 3,000 ft. in Canton and 5,700 ft. in Stoughton, to Reynolds Bros., Inc., 179 Summer St., Boston, $17,639 and $49,-215 respectively; rein.-con. paving 23,114 ft. in Cheshire, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $257,436. Grand total $350,276.

Mass., Boston—Recut granite block paving Devonshire St., to S. J. Tomasello, 11 Cushing St., Dorchester. Engrs. est. $25,000.

Mass., Medford (Boston P. O.)—Surfacing Middlesex Fels Parkway, to J. H. Fannon, Powder House Terrace, Somerville, $22,420. Engrs. est. $25,000.

Mass., Medford (br. Boston)—Bituminous macadam paving Main St., etc., to Coleman Bros., 245 State St., Boston. Engrs. est. to exceed $25,000.

Mass., Somerville (Boston P. O.)—Grading and surfacing Southern Division Northern Traffic Artery, to Coleman Bros. Corp., 245 State St., Boston, $204,370.

New York—A. W. Brandt, comr. Highways, Albany, constructing 1.25 mi. Highway 8196-A, Rockland Lake—Long Cove Rd., Rockland Co., to Carroll & Rice, New York City, $84,412; 1.67 mi. Repair Contr. 3151, Briarcliff Manor Village, Highway 5361, Ossining-Croton River Highway 5364-A, Ossining Village Highway 5482, to Marshall Constr. Co., Inc., White Plains, $165,184; and 8.25 mi. Repair Contr. 1506, Lafayette Highway 76, Lafayette-Tully Highway 5116, Onondaga Co., to J. L. Dugan, Inc., Newburgh, $313,654. Grand total $563,250. Noted June 24.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Cleveland Trinidad Co., Flushing, sheet asphalt paving 162nd St. $18,672, Gerry St. $23,735, to Highway Impvt. & Repair Co., 50 Church St., New York City, 105th St. $17,100, 107th St. $13,394, 113th St. $18,-558, 113th St. $12,825, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, 107th St. $26,958, Fairview, $3,468, Pulaski St. $17,992, 89th St. $15,968, 74th St. $13,365, 94th St. $28,200, and 159th St. $18,570; to W. P. MacDonald Constr. Co., Lawrence St., Brooklyn, 51st St. $40,295, 51st St. $25,172, to Boro Asphalt Co., 1301 Metropolitan Ave., Brooklyn, 51st St. $59,-425; to C. H. Georgia, Inc., sidewalks on 103rd Ave. $6,270, and Pulaski St. $3,331, to Peace Bros. Inc., 57 North Lawrence St., Flushing, 88th St. $5,190, and 113th St. $8,703; to O'Brien & Kurth, Inc., 6311 5th Ave., Brooklyn, 105th St. $7,617, to Welch Bros. Contg. Co., 32 Queens St., Astoria, 6th St. $19,311, Gerry Ave. $14,443, and Stone St. $17,131. Grand total $435,693. Noted July 29.

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Streets and Roads (Continued)

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and repaving Broome St., to St. George Paving Co., 90 West St., $33,031. Noted July 8.

N. J., Linden—City Council and Mayor, asphalt paving Price, 10th and Elizabeth Aves., to Franklin Contg. Co., 20 Washington Pl., Newark, $112,992. Engrs. est. $112,000.

N. J., North Plainfield (mail Plainfield)—Mayor and Boro Council, concrete paving Somerset St., to J. F. Burke, 308 North Ave., Plainfield, $124,892. Noted July 8.

N. J., Toms River—Bd. Freeholders Ocean Co., concrete paving 2 mi. road from Island Heights to Bay Ridge, to S. S. Thompson, Herbert St., Red Bank, $87,012. Noted July 8.

Pennsylvania—State Hy. Comn., Harrisburg, **(A. means Application and R. means Route)**, rein.-con. paving, etc., 18,024 sq.yd. R. 140, A. 4064, Lebanon Co., to D. L. Risser, Lebanon, $75,604, 1,524 sq.yd. A. 965-A, Westmoreland Co., to M. Bennett & Son, Indiana, $20,303, 25,333 sq.yd. A. 4120, Adams Co., to J. S. Teeter, Taneytown, Md., $94,007, 25,850 sq.yd. R. 256, Sect. 2, Greene Co., to E. E. Morris, Waynesburg, $148,844, 10,800 sq.yd. R. 88, Warren Co., to Milliron Constr. Co., Du Bois, $60,245, 9,300 sq.yd. R. 522, A. 4155, Franklin Co., to I. F. Hepler, Tyrone, $34,976, 24,154 sq.yd. R. 350, Lawrence Co., to Young & Keesecker, Youngstown, O., $91,813, 17,965 sq.yd. A. 3640, Beaver Co., to J. C. Devine Co., Alliance, O., $75,822, 21,705 sq.yd. A. 3757, Allegheny Co., to D. W. Challis & Sons, Inc., Sewickley, $119,248, and 55,115 sq.yd. R. 142, Sect. 3, Chester Co., to Ambler Davis Co., Phila., $199,491; also waterbound macadam paving 9,392 sq.yd. A. 4097, Lebanon Co., to Commissioners Lebanon Co., Lebanon, $13,940. Grand total $935,293. Noted June 17 and July 1.

Pa., Dormont—Boro Council, Boro Hall, repaving, etc., West Liberty Ave., to Dunn & Ryan, 3918 Swineburn St., Pittsburgh, $63,272. Engrs. est. $70,000. Noted Mar. 25.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to Union Paving Co., 123 South 21st St., grading and paving Broad St. between Patterson Ave. and Terminal $55,987, paving Spring Garden and Parkway between Art Museum and Crescent St. $27,901, and furnishing asphalt paving mixtures $62,000; to Good Roads Eng. Co., City Center Bldg., furnishing and delivering lutz asphalt heaters, $29,940; and to Serv. Supply Corp., 20th and Venango Sts., oil tank wagons, $1,950. Grand total $177,778. Noted July 22.

Maryland — State Roads Comn., Baltimore, J. N. Mackall, chn., concrete paving 0.4 mi. Contr. M-72, Montgomery Co., to Gosnell, Russell Co., Frederick, $12,811; and sheet asphalt paving 0.48 mi. Contr. BC-62, Baltimore Co., to Amer. Paving & Contr. Co., Montebello Ave., Baltimore, $50,933. Noted July 15.

Maryland—State Hy. Comn., Baltimore, sheet asphalt paving, etc., 0.46 mi. Contr. BC-63, to P. Flanigan & Sons, Hartford Rd. and Baltimore & Ohio R.R., Baltimore, $43,832. Noted July 29.

Maryland—State Rd. Comn., Baltimore, concrete paving 1.75 mi. highway in Worcester Co., to Hanneman-Burroughs Co., Salisbury, $30,800, and 1 mi. Contr. W-44, Washington Co., to L. R. Waesche & Sons, Thurmont, $19,640, macadam resurfacing 1.1[illegible] mi. Contr. F-93, Frederick Co., to Bester, Long Co., Hagerstown, $22,892; also concrete floor, timber bulkheads, etc., over Marley Creek, on Anna Blvd., Contr. AB-15, Anne Arundel Co., to Forbes-Murphy Constr. Co., 406 St. Paul St., Baltimore, $14,280. Grand total $87,612.

Maryland—State Rds. Comn., Baltimore, concrete paving and bridging 0.5 mi. Contr. CI-63, Carroll and Frederick Counties, to Gosnell-Russell Co., Frederick, $16,950. Noted July 8.

Md., Baltimore—Concrete paving 27,000 sq.yd. Contr. 354, to Ward & O'Connell, 3114 Presbury St. $64,356. Noted July 15.

Md., Baltimore—Bd. Awards, sheet asphalt paving 14,640 sq.yd. Contr. 343, to P. Flanigan & Sons, Harford Rd. & Baltimore & Ohio R.R. $49,769; concrete paving 21,600 sq.yd. Contr. 352, to Aiello Constr. Co., 4th and Gough Sts., $54,802.

D. C., Wash. — Dist. Comrs., District Bldg., grading, curbing, and concrete paving 12 streets, to G. B. Mullin Co., 1296 Upshaw St. N. W., $82,600. Noted July 8.

W. Va., Glenville—Gilmer Co., grading Parkersburg-Staunton Pike, to Piper & East, Glenville, $65,597. Noted June 10.

North Carolina — State Hy. Comn., Raleigh, clearing, grubbing, grading, etc. 11.57 mi. Project 993, Transylvania Co. to Wood & Lipscomb, Roanoke, Va. $88,016, 9.69 mi. Project 279, Sampson Co., to Beal Bros., Bear Creek $49,885, and 13.06 mi. Project 834, Henderson Co., to Dicus Bros., Waynesville $85,167; clearing, grubbing, grading, and asphaltic on concrete paving 6.87 mi. Project 698-B, Union Co., to Wood Constr. Co., Statesville $189,242, 10.24 mi. Project 542, Guilford Co., to Hagedorn Constr. Co., Greensboro, $391,726; clearing, grubbing, grading and topsoiling 15.81 mi. Project 584, Randolph Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $141,367. Grand total $945,303. Noted July 15.

South Carolina — State Hy. Dept., Columbia, constructing approach work to Lynches River Bridge, Route 414, State Project S-617, Darlington-Lee Counties, to Gibson Constr. Co., Savannah, Ga., $16,540; constructing 4.2 mi. State Route 6, State Project S-588-C, Orangeburg Co., to F. Bamberg, Bamberg, $12,189, 7.6 mi. same road State Project S-606-B, to McKenzie-Johnson, Abbeville, $26,100, 6.8 mi. State Route 411, Federal Aid Project 256, Williamsburg Co., and 9.5 mi. same road, Project S-573, to J. L. Carroll, Columbia, $28,192 and $51,621 respectively, 4.1 mi. State Route 9, State Project S-609-B, Lancaster Co., to W. C. McCoy, Lafayette, Ala., $41,621; also treated timber bridge over Lynches River, on State Route 414, State Project S-617, to W. B. Boyle Co., Sumter, $33,179, and rein.-con. bridge over Flat Creek, Route 9, State Project S-609-B, Lancaster Co., to Small & Triplett, Lancaster, $8,711. Grand total $218,153.

N. C., Elizabeth City—Asphalt and brick on concrete paving various streets, to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $122,000. Noted July 1.

N. C., Spencer—Sheet asphalt paving, etc., 30,700 sq.yd. various streets, to Hedrick Constr. Co., Greensboro, $112,000.

Georgia — State Hy. Dept., East Point, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, sand clay surfacing 1.82 mi. Milledgeville-Irwinton Rd., F. A. P. 439-A, Baldwin Co., to Nicholas Constr. Co., 1 La France St., Atlanta, $37,386; pebble soil surfacing 6.7 mi. Cairo-Bainbridge Rd., Grady Co., and surface treating 8.4 mi. Waycross-Jessup Rd., S. A. P. Rec. 9-8, Pierce Co., to Scott & Dunn, Thomasville, $34,109 and $69,966 respectively; penetration macadam surfacing 5.31 mi. Atlanta-Covington Rd., F. A. P. 407-B, Newton Co., to C. M. Lyle, Blairsville, $49,233; gravel surfacing 2.627 mi. Sandersville-Tenville Rd., S. A. P. G-59, Washington Co., to E. M. Martin, Covington, $13,817; grading 4.88 mi. Brunswick-Jackson Rd., F. A. P. 432-C, Camden and Glynn Counties, to Gibson Constr. Co., Savannah, $67,610; concrete bridge on Glenwood-Mt. Vernon Rd., F. A. P. 76, Wheeler Co., to E. M. Williams, Monroe, $13,643. Grand total $285,764.

Ala., Birmingham — City, **(e.e. means engineer's estimate)**, asphalt on concrete paving 10 blocks Arlington and Berkley Aves., 60 ft., to Sullivan, Long & Haggarty, Bessemer, $49,824 e.e. $50,100, 7 blocks 4th —Ave. N., 60 ft., to Dunn Constr. Co., Lincoln Life Bldg., $61,006 e.e. $74,750, 3 blocks 18th St. N., 60 ft., to H. N. Bowdry, Alabama Power Co. Bldg., $31,376 e.e. $35,000, 7 blocks Ave. D, Ensley, 40 ft., to Morgan-Hill Paving Co., Woodward Bldg., $27,848 e.e. $35,525, 2 blocks Center St., 50 ft., to Southern Roads Co., 104 North 17th St., $21,926 e.e. $26,250, and 2 blocks 3rd Ave. S., 40 ft., to Independent Paving Co., Amer. Trust Bldg., $11,331 e.e. $13,500. Grand total $203,311.

Ala., Dothan—Sidewalks and asphalt surfacing 8 blocks various streets, 50 and 60 ft., to Couch Constr. Co., Dothan, $45,000. Engrs. est. $45,400.

Ala., Opelika—Asphalt on concrete paving 12 blocks various streets, 40-60 ft., to Sullivan, Long & Haggarty, Bessemer, $55,622. Engrs. est. $60,000.

Miss., Cleveland — Bolivar Co., grading and concrete paving, etc., 10,308 sq.yd. Federal Aid Project 139-A, to Horie & Gordon, Jackson, $25,873.

Miss., Gulfport—Bd. Supervs. Harrison Co., Warrenite-bitulithic paving 38,850 sq.yd., 2½ in. penetration macadam paving 7,000 sq.yd., etc. Pass Christian-Delisle Rd., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $66,122.

Miss., Houston—Chickasaw Co., grading and graveling, etc., 9.094 mi. Federal Aid Project 186, to G. J. Pennington, Oakvale, Miss., $78,721. Noted July 8.

Miss., Lexington—Grading, curbing, guttering and 2½ in. brick on 5 in. concrete paving various streets, to E. A. Finch, 905 Elizabeth Ave., Hattiesburg. Engrs. est. $150,000.

Miss., Meridian—Grading, curbing and paving 26 blocks 8th and 16th Sts., Bridge, 17th, 27th and 34th Aves., to Dunn Constr. Co., Chamber Commerce Bldg., Birmingham, Ala. Noted Apr. 15.

Miss., Pascagoula—Jackson Co., grading, rein.-con. paving, etc., 20,538 sq.yd. road from Ocean Springs to Harrison Co. line, to Moore Constr. Co., Biloxi, $132,891.

Miss., Port Gibson—Claiborne Co., improving 0.5 mi. Federal Aid Project 173-B, also new bridge to replace old cable bridge, to Kulze-Hampton Co., Fordyce, Ark., $18,561. Noted July 8.

Miss., Ripley — Tippah Co., improving 7.953 mi. Federal Aid Project 173-B, 38,292 cu.yd. excav., 17,262 cu.yd. borrow, 23,930 lb. reinforcing, 41,262 units overhaul, 16,594 cu.yd. gravel 1 mi. haul, also bridges over 20 ft. span, 32,735 ft. creosoted and 882 ft. untreated timber, 1,448 ft. creosoted piling, etc., to Young-Hall Constr. Co., Winona, Miss., $52,945. Noted July 1.

La., Alexandria—Concrete paving 10th St., to Carbo & Wilks, Alexandria, $10,008; brick paving Lee St. and graveling Dartmouth St., to Thurber Constr. Co., F & M Bldg., Dallas, Tex., $76,257 and $4,962. Grand total $91,307.

La., Shreveport — Caddo Parish, asphalt paving 2.5 mi. Morringsport Rd. to Flenniken Contr. Co., Cahn Bldg., $57,000; and 3.5 mi. on Harts Island Rd., to Finley Method Co. of Louisiana, Baton Rouge, $100,000.

Kentucky—State Hy. Dept., Frankfort **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, surfacing 6.82 mi. Bardwell-Clinton Rd., F. A. P. 131-B, Carlisle Co., to Taylor-Petri Co., Lewisport, $57,953; unrolled bank gravel surfacing 11.956 mi. Hickman-Reelfoot Lake Rd., S. A. P. 54-C, Fulton Co., to N. E. Stone, Madisonville, $99,374; river gravel surfacing 4.157 mi. Owensboro-Henderson Rd., F. A. P. 74, Daviess Co., to Ellis & Smeathers, Owensboro, $28,445; surfacing on local stone 10.42 mi. Taylorsville-Louisville Rd., S. A. P. 18-A, Spencer Co., to Gaines & Cocke, Louisville, $152,040; grading and local stone surfacing 5.517 mi. Lebanon-Danville Rd., S. A. P. 25-A, Marion Co., to Murphy & Kerr, $72,534; grading, etc., 14.63 mi. Murray-Cadiz Rd., S. A. P. 42-A, Calloway and Marshall Counties, to G. W. Robinson & Co., Owensboro, $157,247, and 3.134 mi. Rockport-Beaver Dam Rd., S. A. P. 45-C, Ohio Co., to J. P. Sipes & Co., Lewisport, $45,585. Grand total $612,818. Noted July 15.

Ky., Bardstown — Nelson Co., graveling and surfacing 6 mi. road from Bardwell scuth to Hickman Co. line, to Taylor Petrie & Co., Lewisport, $57,000.

Ky., Paducah—Hardsurfacing 30 blocks various streets, to J. D. Ryan Constr. Co., Davenport, Ia. Noted July 1.

O., Cincinnati—Director Pub. Serv., vertical fibre brick repaving 13,000 sq.yd. Highland Ave., to Cash-Brewer Co., Spring Grove Ave., $86,058, engrs. est. $98,907; also asphalt and vertical fibre brick repaving 2,800 ft. Bway., 46 ft., to J. S. Bolan, 1517 Ruth Ave., $100,177, engrs. est. $109,133. Noted July 15.

O., Cleveland—Bituminous concrete paving East 69th St., to Cleveland Trinidad Paving Co., The Arcade, $4,224, and Thornhill Dr., to Garland Bros., 5806 Franklin Ave. $17,811; also brick paving Edgewood Ave., to Rieley Bros., The Arcade, $27,816. Grand total $49,851.

O., Cleveland Heights (Warrensville P. O.)—To Highway Constr. Co., Guarantee Title Bldg., asphaltic concrete paving, etc., Delmore Rd. $6,905, Orchard Rd. $8,009, Preyer Rd. $12,466, Silsby Rd. $6,375, and Wilmar Rd. $11,324. Grand total $45,079.

O., Cleveland Heights (Warrensville P. O.)—To Highway Constr. Co., Guarantee Title Bldg., Cleveland, asphaltic concrete paving Hartwood Rd., $26,661, Ivydale Rd. $20,059, Middleton Rd. $11,143, and Oakwood Rd. $6,552. Grand total $64,415.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading and asphalt paving, etc., 547 ft. Ellsworth Ave., 24 ft., and 836 ft. Powell Ave., 26 ft., to Franklin Asphalt Paving Co., 209 South High St., $8,481 and $10,690 respectively; 288 ft. Markinson Ave., 24 ft., to R. J. Dienst, 209 South High St., $6,060; 3,706 ft. Northridge Rd., 26 ft., to B. F. Patterson, 1214 Neil Ave., $58,481; also 20th Ave., to Fritz-Pyle Constr. Co., 1400 North Grant Ave., $19,242. Grand total $102,954. Noted July 8.

O., Cuyahoga Falls—Grading, etc., Northern Heights, to T. E. McShaffrey Co., 173 South Forge St., Akron, $144,633. Engrs. est. $150,000.

O., Maple Heights (Bedford P. O.) — Natural Lake asphalt paving, etc., 39,000

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sq.ft. Thomas and Joseph Sts., to A. M. Dejsa Paving Co., 3161 Derbyshire Rd., Cleveland Heights, $17,831 and $17,823 respectively. Noted July 15.

O., Parma (mail Berea)—Amiesite paving Forestwood and Sharton Aves., to Ohio Natl. Pavements Co., Natl. City Bldg., Cleveland, $33,712 and $34,272 respectively; also brick paving Walter Ave., to Baldwin Bros., 4500 Euclid Ave., Cleveland, $16,089. Grand total $84,073.

Ind., Bedford—Bd. Comrs. Lawrence Co., concrete paving, etc., Bedford-Heltonville Rd., and Bedford-Fayetteville Rd., to Nees Constr. Co., Frankfort. Engrs. est. $64,175 and $48,064 respectively. Noted July 1.

Ind., Indianapolis — Asphaltic concrete paving 2,322 ft. Drexel Ave., to Mead Constr. Co., 906 Lemcke Bldg., $24,153. Engrs. est. $41,944.

Ind., Kokoma — Trinidad sheet asphalt paving North Courtland Ave., to Kokomo Asphalt Paving Co., Kokomo, $29,580.

Ind., Portland—Comrs. Jay Co., concrete paving, etc., Hart Rd., to G. Fenning, New Corydon. Engrs. est. $29,351. Noted June 18.

Ind., South Bend—Comrs. St. Joseph Co., resurfacing 2 mi. Lincoln Way E., to Highway Impvt. Co., South Bend, $21,750. Engrs. est. $25,600.

Michigan—State Hy. Dept., Lansing, will pave with cement 107,998 sq.yd. F. A. 44, Sect. A, Lenawee Co., by day labor, 1.592 mi. T. L. 53-21, 20 ft., Lapeer Co., to Murray & Fremont, Bad Axe, $44,302, 2.745 mi. A. D. 467, 20 ft. Wayne and Oakland Counties, to J. McKay & Son, Detroit, $110,390, 6.317 mi. F. A. 232, Sect. A, and 5.567 mi. Sect. B, 20 ft., Cass Co., to Keith-Riley Constr. Co., Goshen, Ind., $176,884 and $188,285 respectively; two course gravel surfacing 4.807 mi. T. L. 79-3 B, 16 ft., Barry Co., to Wise & Klett, Hartford, $53,918, and 7.121 mi. T. L. 79-3 C, 16 ft., to Hill & Belknap, East Tawas, $105,523. Noted June 17.

Michigan—State Hy. Dept., Lansing, one course graveling 5.343 mi. T. L. 14-77, 16 ft., Roscommon and Crawford Counties, to Stockwell & Higgins, Harrison, $34,438.

Michigan—State Hy. Dept., Lansing, concrete paving 0.585 mi. T. L. 47-14, 20 ft., Shiawassee Co., to R. R. Scott Co., Saginaw, $20,033.

Michigan—State Hy. Dept. at comrs. office, Plymouth, grading 6.051 mi. A. D. 1120, Sect. A., 56 ft., Macomb Co., to T. E. Currie, 909 Transportation Bldg., Detroit, $37,737. Noted July 8.

Michigan — A. M. Hopperstead, engr., Crystal Falls, grading, etc., 17.426 mi. F. A. 163, Sect. A, Gogebic Co., to Fitzpatrick Bros. Lamont and Calvi Sts., Ironwood, for State Hy. Dept., Lansing. $149,392. Noted July 29.

Michigan — A. M. Hopperstead, engr., Crystal Falls, concrete paving 5.119 mi. F. A. 162, Sect A, 20 ft., Iron Co., to H. Holmes, Crystal Falls, for State Hy. Dept., Lansing. $221,471.

Michigan — State Hy. Dept., at Port Huron, concrete paving 25,462 sq.yd. T. L. 27-27A, St. Clair Co., to J. H. Baker & Sons, Port Huron, $67,997.

Michigan—State Hy. Dept. at comrs. office, Saginaw, concrete paving 1.77 mi. T. L. 46-6, 20 ft., Gratiot Co., to A. J. Rehmus, Bay City, $52,379. Noted July 29.

Mich., Fordson—Concrete curbing, storm sewers, and one course 8 in. concrete paving Assessment Dists. 131, 148, 164, 165 and 167, to United Road Constr. Co., Penobscot Bldg., Detroit, $58,495; Dists. 149, 150, 155, 161 and 163, to White Constr. Co., 1548 Buhl Bldg., Detroit, $146,718; also Dists. 160 and 169, to Otis Cement Constr. Co., 419 Hammond Bldg., Detroit, $21,060. Grand total $226,272.

Mich., Mount Clemens—Macomb Co., two course gravel paving 2.5 mi. in Richmond Twp., 16 ft., to E. Lorch, Boyne City, $29,294.

Mich., Muskegon — City Comn., I. L. Christiausen, city clk., grading and concrete paving 2,810 sq.yd. Bronson Park Oval, and 5,289 sq.yd. Lake Michigan Park Oval, to J. R. Edelman Co., 498 6th St., $4,085 and $11,117 respectfvely, engrs. est. $4,500 and $20,000 respectfvely; oil asphalt paving 19,329 sq.yd. Lake Shore Dr., to Globe Constr. Co., Portage St., Kalamazoo, $37,-969, engrs. est. $70,000. Grand total $53,-170. Noted July 22.

Mich., Port Huron—St. Clair Co., grading, etc., 3.75 mi. A. D. 83, to J. H. Lowe, 115 Pratt Bldg., Kalamazoo, $38,378.

Mich., Sandusky—Sanilac Co., grading, etc., 5 mi. A. D. 73, to C. McComb, Algonac, $58,331.

Mich., St. Joseph—Berrien Co., macadam paving 1.75 mi. Sodus-Eau Clair Rd., 18 ft., to W. J. McCleary, Benton Harbor, $31,879.

Mich., Three Rivers—City and State Hy. Dept., Lansing, widening 0.667 mi. T. L. 60-7, 20 ft., to Kalamazoo Constr. Co., 115 Pratt Bldg., Kalamazoo, $32,414. Noted July 8.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, grading 0.25 mi. Route 7, Sect. 4-Y, Bureau Co., to Boes & Higman, Wyanet, $1,804, and 2.17 mi. Route 14, Sect. 12-X, White Co., to M. E. Leffler, Benton, $6,425; concrete paving Route 3, Sect. 12-W, Union Co., to I. D. Lain, Bloomington, $26,017, 1.22 mi. Route 23, Sect. 5, La Salle Co., to Keokuk Quarry & Constr. Co., Keokuk, Ia., $23,538, Route 41, Sect. 12-W, Fulton Co., to F. J. Specht, Bushnell, $8,775, Route 19, Sect. 86iW-1, Cook Co., to Chicago Heights Coal Co., Chicago Heights, $13,578. Grand total $80,137. Noted June 24.

Ill., Belleville—Grading and concrete paving 3.5 mi. Fayetteville-St. Libory Rd., 18 ft., to Hoeffken Bros. Constr. Co., 222 West B St., $99,734.

Wis., Beloit—G. E. Heebink, engr., City Hall, one course concrete paving various streets, to Western Asphalt Paving Co., 2100 East 4th St., Sioux City, Ia., for City. $31,896. Noted July 29.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., concrete sidewalks on West Court, 56th and 57th Sts., to Gumz & Switalski, 831 13th Ave., $11,475; 52nd and 54th Sts., to Bartel-Maurer Co., 925 Muskego Ave., $8,453; concrete paving 2 alleys, to Schwerm Bros., 50 Lee St. $6,825, 1 alley, to A. E. Retzlaff, 868 Island Ave. $1,239, and 1 alley, to N. Harris, 417 Juneau Pl. $4,393. Grand total $32,385.

Wis., Racine—E. R. Fischer, highway comr. Racine Co., concrete paving, etc., 31,-516 sq.yd. Burlington-Wilmot Ave.-Kenosha Rd., to F. Doherty Co., 37th St. and Fond du Lac Ave., Milwaukee, $75,719. Noted July 15.

Wis., Waukesha—Rein.-con. paving, etc., 32,000 sq.yd. various streets, to Wilsoh Constr. Co., 107 West College Ave., Appleton, at $2.02 per sq.yd.

Ia., Burlington—Des Moines Co., grading, curbing and concrete paving 88,111 sq.yd. Middlestown Rd., Federal Aid Project 282, to Miller Constr. Co., Burlington, $215,905. Culverts, to Buescher Constr. Co., Burlington, $5,457.

Ia., Cedar Rapids—Grading, curbing, guttering various streets, to P. P. Smith, 1600 Washington Ave., $24,968; grading and 4 in. brick paving same streets, to Ford Paving Co., 210 2nd Ave. E., $16,487. Noted July 8.

Ia., Cedar Rapids—Linn Co., improving County Road 5, 84,331 cu.yd. excav., 118,-205 sta.yd. overhaul, to Foley Bros., Anamosa, $22,835; culverts, to P. Jayne, Cedar Rapids, $4,027.

Ia., Ida Grove—Ida Co., to R. C. Ward, Correctionville, improving Federal Aid Project 286, 44,774 cu.yd. excav. at $0.225 per cu.yd. etc.; to H. F. Haden, Omaha, Neb., 14,220 cu.yd. gravel $0.39, 67,200 units $0.075, and 13,000 cu.yd. stripping $0.20, etc. Noted July 1.

Ia., Keosauqua—Van Buren Co., grading, etc., 243,335 cu.yd. Federal Aid Project 222, to Longerbone Bros., Marks Bldg., Des Moines, $71,000. Noted June 24.

Ia., Osage—Mitchell Co. improving 6.27 mi. road from St. Angars to Road 9, 50,584 cu.yd. earth, 2,946 cu.yd. solid and 1,813 cu.yd. loose rock excav., to L. O. Kimball, Clear Lake, $22,948. Noted July 8.

Ia., Oskaloosa — Mahaska Co., grading, curbing and paving 212,063 sq.yd. Federal Aid Projects 70, 146 and 293, to Amer. Paving Co., 1325 Grace St., Omaha, Neb., $568,997.

Ia., Wilton Junction—Grading and 7 in. rein.-con. paving 16,040 sq.yd. various streets, also 3,000 ft. 15- to 24-in. storm sewers, to Koreman Bros., Muscatine, $42,-283.

Minn., Crookston—H. J. Welte, aud. Polk Co., grading, etc., approxiately 15 mi. Job 2603, State Rd. 1, near Winger, to S. J. Enebak, Warren, $25,832.

Minn., Duluth—G. P. Phillips, city comr., concrete paving, etc., 7,500 sq.yd. Superior Ave., to Shipman & McComber, 2810 East 2nd St., $26,563. Noted July 15.

Minn., Red Wing — Grading, graveling, etc., approximately 12 mi. Vasa-Welch Rd., Goodhue Co., to Nelson, Mullen & Nelson, 355 Temple Court Bldg., Minneapolis, $55,000.

Minn., St. Cloud—Bitulithic concrete paving 20 blocks various streets, to L. McCann, Eveleth, $75,132.

Minn., St. Paul — Sheet asphalt paving, etc., approximately 2 mi. Otto Ave., to Thornton Bros., 318 Endicott Bldg., $79,-747; and asphalt paving Ford Rd. between Snelling and Cleveland Aves., to Fielding & Shepley, 216 University Ave. W., $119,396. Noted June 17.

Kan., Olathe—Johnson Co., grading, surfacing, etc., 0.418 sq.yd. Federal Aid Project 246-D, 18 ft., to Cook & Stucker, Olathe, $25,296. Noted July 1.

Kan., Girard—Crawford Co., chat surfacing 3.513 mi. Federal Aid Project 347-A, 28 ft., to Schultz Constr. Co., 135 North Popular St., Wichita, $35,302. Noted July 8.

Neb., Crawford—For 2 in. asphaltic concrete on 5 in. concrete paving, etc., 17,000 yd. various streets, to Roberts Constr. Co. 404 1st Natl. Bank Bldg., Lincoln, $39,610

Neb., Omaha—G. Berger, clk. Douglas Co., grading, paving, etc., 15,580 sq.yd. 72nd St., to Metz Constr. Co., Omaha, $37,-720. Noted July 8.

Neb., York—Improving streets in Dists. 24, 25 and 26, 20,002 ft. curbing and guttering, 4,145 sq.yd. concrete paving, and 19,816 sq.yd. 4 in. graveling, etc., to Roberts Constr. Co., First Natl. Bank Bldg., Lincoln, $42,053. Engrs. est. $52,850.

N. D., Grand Forks—Paving approximately 10,300 sq.yd. various streets, to Northern Constr. Co., Grand Forks, $47,362. Noted July 1.

Missouri — State Hy. Dept., Jefferson City, to E. P. Olson, St. Joseph, two 12 ft. rein.-con. slab spans, etc., over stream $3,262, three 24 ft. rein.-con. slab spans, etc., over Brush Creek $6,059, nine 35 ft. rein.-con. deck girder and one 80 ft. steel truss spans, etc., over Shoal Creek $33,330, all in Putnam Co.; to Harrison Eng. & Constr Corp., Kansas City, two 12 ft. rein.-con. slab spans, etc., over Hundleys Branch $5,669, two 40 ft. rein.-con. deck girder and one 60 ft. steel truss span, etc., over Birch Creek $16,187, both in Franklin Co.; to Koss Constr. Co., Des Moines, Ia., six 50 ft. and two 35 ft. rein.-con. deck girder and three 150 ft. open spandrel rein.-con. spans, etc., over Osage River, Benton Co., $97,823; to J. C. Ellis, Rockport, Ind., twenty-three 40 ft. rein.-con. deck girder and three 150 ft. steel truss spans, etc., over Current River, Ripley Co., $133,277; to Graham Bros., Leeds, 24 ft. rein.-con. slab span, etc., over stream $2,612, one 30 ft. rein.-con. deck girder span, etc., over stream $5,096, one 30 ft. rein.-con. deck girder span, etc., over Clarks Branch $5,375, and one 30 ft. rein.-con. deck girder span, etc., over Bethlehem Branch $2,270, all in Cooper Co.; to J. P. Harlan, West Plains, two 10 ft. rein.-con. slab spans, etc., over stream, Wright Co., $2,296; to A. A. Davis & Co., Kansas City, one 60 ft. steel truss span, etc., over Pigeon Creek, Dent Co., $7,032; to Richmond Constr. Co., Advance, 14 ft. rein.-con. slab span, etc., over stream, Ripley Co., $586; to Cameron-Joyce, Smith Elder Co., Keokuk, Ia., one 10 x 7 ft. arch culvert over creek, Pike Co., $2,968, and repairing 200 ft. steel bridge over Moniteau Creek, Howard Co., $2,905. Grand total $326,744. Noted June 24.

Mo., Cape Girardeau—Grading and 6 in. concrete paving Louisiana Ave. between Bway. and Independence St., to W. P. George & Co., Cape Girardeau, $15,722; and Themis St. between Louisiana St. and Sunset Blvd., to F. W. Keller, Cape Girardeau, $11,865.

Mo., Gower—Concrete paving, etc., 9,017 cu.yd. 5 streets, to Jearnett & Schrader, Sedalia, $21,673. Engrs. est. $25,000. Noted July 15.

Mo., Hannibal—For 6 in. concrete paving 7,996 yd. Bridge St., to Hannibal Contg. Co., Hannibal, $25,633.

Mo., Kansas City—Bituminous macadam paving, etc., 15,500 sq.yd. Warwick Blvd., to Gray Paving & Material Co., 1927 Vine St., at $3.92 per sq.yd.

Mo., Keytesville—Grading, curbing, 6 in. graveling 2,200 sq.yd. and 6 in. rein.-con. paving 6,300 sq.yd. Bridge St., Walnut and Rucker Aves., to Lynch-McDonald Constr. Co., Moberly, $17,907. Engrs. est. $25,000. Noted July 8.

Mo., Lamar—Grading, curbing, portland cement, Kaw river sand and Carthage flint paving approximately 16,000 sq.yd. various streets, to Independent Constr. Co., Pitttsburg, Kan., $34,300.

Mo., St. Louis—Asphalt paving approximately 76,300 sq.yd. Kingshighway, to Bridges Asphalt Paving Co., Buder Bldg., $190,983; and amiesite paving 2,890 sq.yd. Tamm Ave., to Skrainka Constr. Co., Security Bldg., $24,056.

Mo., Springfield—Concrete paving, etc., 693 sq.yd. Nichols St., to H. Proserpi,

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Springfield, $1,372, 13,657 sq.yd. High St., to Stigall Constr. Co., Talmage and Benton Sts. $21,715, 520 sq.yd. Roanoke Ave., and 4,100 sq.yd. Florence St., to E. V. Koch, Court House, $1,154 and $6,849 respectively. Grand total $31,090.

Arkansas—State Hy. Dept., Little Rock, improving 12.915 mi. Strong-Huttig Rd., Federal Aid Project 237-A, Union Co., 14.25 acres clearing and 23.25 acres grubbing, 74,264 cu.yd. excav., 23,511 cu.yd. gravel, 40,989 overhaul, 29,215 ft. treated timber, 36,507 lb. reniforcing, etc., to R. P. Lynch, 320 West Markham St., Little Rock, $68,332.

Ark., Gillette—Grading, curbing and 5 in. concrete paving 5 blocks Road Impvt. Dist. 5, 60 ft., to C. P. Chaney, DeWitt, at $2.12 per sq.yd.

Texas — Anderson Co. (Palestine) and Freestone Co. (Fairfield), c/o W. C. Quick, judge Anderson Co., and F. Roper, judge Freestone Co., 2,310 ft. earth approach to bridge across Trinity River, on Highway 43, Federal Aid Project 453-D, to J. G. Ballenger, San Benito, $26,549.

Tex., Corsicana—Topeka mix on concrete paving 15 blocks County Ave., to O. Yengling, Corsicana, $31,089.

Tex., Graham — Young Co., grading, bridging, etc., 9.79 mi. State Highway 24, Federal Aid Project 441-B, 26 ft., to Womack Constr. Co., Sherman, $52,313. Engrs. est. $59,000.

Tex., Harlingen — Asphalt paving 83 blocks various streets, to F. P. McElwrath, Harlingen, $305,000. Engrs. est. $305,000.

Tex., Houston—Paving Clark St., to A. M. Arnold & Co., 1622 Elder St., $25,246.

Tex., Jasper — J. Mosley, ch. State Hy. Comn., Austin, shell surfacing 29,096 cu. yd. Highway 62, Federal Aid Project 500-A, Jasper Co., to J. E. Thompson, San Augustine, $98,323. Noted July 15.

Tex., Karnes City — Two course limestone rock asphalt on waterbound macadam paving 9.07 mi. Highway 16, Federal Aid Project 434-D, Unit 2, to Brown & Post, Georgetown, $158,164. Engrs. est. $150,400.

Tex., Mt. Pleasant—Titus Co., clearing, grubbing, grading and timber pile bridging, etc., 0.776 mi. Highway 65, Federal Aid Project 333-B. Sect. 12, 26 ft., to Reynolds & Sutton, Tyler, $62,759. Engrs. est. $67,-500. Noted July 15.

Tex., Uvalde—H. Mosley, chn. State Hy. Comn., Austin, gravel on bituminous surfacing, etc., 24,710 cu.yd. Highway 3, Uvalde Co., to C. M. Kelly, 503 Barrett Pl., San Augustine, $37,704. Engrs. est. $36,-000. Noted June 24.

Wash., Bremerton—Bd. Pub. Wks., paving Warren Ave. between 7th and 8th Sts. et al, to J. B. Murphy, Thompson Bldg., $57,790. Engrs. est. $55,506. Noted July 8.

Wash., Seattle—Bd. Pub. Wks., 6 and 7 in. concrete paving Woodlawn Ave. et al, to Fiorito Bros., 3950 6th St. N. W., $192,-544. Noted July 29.

California—State Hy. Comn., Sacramento, concrete paving approximately 1.3 mi. through Cloverdale, Sonoma Co., to J. V. Galbraith, Fulton, $49,853, engrs. est. $54,-911. Noted July 1.

California—State Hy. Comn., Sacramento, crushed gravel or stone surfacing road between Black Butte and Blythe, Riverside Co., to S. I. Faucett, Los Angeles, $63,956, engrs. est. $86,085. Noted July 22.

Calif., Burlingame—City Trustees, curbing, walks and paving, etc., Easton and Hillside Drs., etc., to Union Paving Co., Call Bldg., San Francisco, $100,015. Noted June 24.

Calif., Compton—Grading, asphaltic concrete surfacing and 6 in. concrete paving Main, Commercial Sts., etc., to Griffith Co., Railway Bldg., Los Angeles, $47,645. Noted July 22.

Calif., Los Angeles—Bd. Pub. Wks., curbing, guttering, walks, concrete and asphalt paving San Vicente Blvd., etc., to Griffith Co., Railway Bldg., $107,475.

Calif., Los Angeles—Bd. Pub. Wks., curbing, guttering, walks and concrete on asphalt paving, etc., portion Crenshaw Blvd., to G. H. Oswald, 366 East 58th St., $129,-161. Noted July 22.

Calif., Los Angeles—Guttering, concrete paving, etc., Harcourt Ave., to Chalmers & Ford, H. W. Hellman Bldg., $25,450.

Calif., Sonora—Supervs. Tuolumne Co., Willite paving Columbia and Tuolumne Rds., to F. L. Carson, 693 Sutter St., San Francisco, $71,016. Noted July 8.

Calif., North Sacramento (mail Sacramento)—Grading and 4 in. Willite paving El Camino and Cedar Aves., to Teichert & Sons, 1846 37th St., Sacramento, $57,830.

Calif., Santa Ana—Orange Co., concrete paving Rd. Dist. Impvt. 48, to United Concrete Pipe & Constr. Co., Ventura, $90,385.

Calif., Santa Barbara—Curbing, guttering, concrete paving, etc., Medio Rd., etc., to S. K. Krull, 919 South Spring St., $44,665.

Calif., Ventura—Ventura Co., concrete paving approximately 5 mi. West Orangethorpe Ave. and Walker St., Rd. Dist. Impvt. 48, to United Concrete Pipe & Constr. Co., P. O. Box 6, $90,385.

Ont., Bridgeburg—A. S. Jackson, town clk., curbing, asphalt paving, etc., Wintermute St., to Godson Contg. Co., Manning Chambers, Toronto. Engrs. est. $35,000.

Ont., Forest—Lambton Co., concrete paving King St., County Highway, to Cadwell Sand & Gravel Co., Sandwich St., Windsor. Engrs. est. $40,000.

Ont., Fort Erie—Council, asphalt paving 18,000 sq.yd. Bertie Rd., to Brennan Constr. Co., 400 Gage Ave., Hamilton. Engrs. est. $90,000. Noted Apr. 22.

Ont., Fort William—For 3 mi. concrete sidewalks on various streets, to Flanagan & Co., Ft. William, $29,000.

Ont., Mimico—Concrete curbing, guttering, 3 in. sheet asphalt on concrete paving 10,000 sq.yd. Herman and Warden Sts., Queens, Hillside and Central Aves., to Standard Constr. Co., Mimico, $48,919. Engrs. est. $50,000. Noted Mar. 13, 1924.

Ont., Riverside — A. W. Connor & Co., city engrs., Metropolitan Bldg., Toronto, concrete paving 10,000 sq.yd. Jarvis and Riverdale Aves., to Morand & Adair, 305 St. Marys Blvd., $30,370. Engrs. est. $30,-000. Noted June 24.

Ont., Sarnia—Sheet asphalt paving 15,-000 sq.yd. Christina, Mitton and Cameron Sts., to Warren Bituminous Paving Co., Toronto. Engrs. est. $35,000. Noted July 8.

Ont., Sarnia—Sheet asphalt on concrete paving 6,000 sq.yd. South Christina St., to Merlo, Merlo & Ray, Sandwich St., Ford, $25,270. Engrs. est. $25,000.

Ont., Windsor—City Council, asphalt and concrete paving Highland Ave., etc., to Cadwell Sand & Gravel Co., 228 Sandwich St. $25,000, Janet and Adanac Sts., to S. P. West, 11 Sandwich St. E., Sandwich, $14,-000, Windsor Ave., to Premier Constr. Co., 924 Windsor Ave., Walkerville, $22,000, and Benjamin Ave., to Ryan Constr. Co., 108 Ottawa St., Walkerville, $5,000; also concrete sidewalks on various streets, to H. Bondy, Sandwich, $7,000. Grand total $73,000.

B. C., Point Grey—Concrete paving east side Dunbar St. from 16th to 41st Aves., to Armstrong & Morrison Paving Co., Ltd., 543 Granville St., Vancouver, $113,966. Noted May 13.

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Buildings—Commercial

Proposed Work

Me., Portland—HOSPITAL—Maine General Hospital, c/o J. C. and J. H. Stevens, archts., 477 Congress St., having plans prepared 3 story and basement, irregular shaped, brick addition, plain foundation. $200,000.

Mass., Brookline (br. Boston)—STORE and OFFICE — Gorfinkle & Barkin, 294 Washington St., Boston, having sketches made by E. B. Stratton, 25 Arch St., Boston, 3 or more stories, brick, Beacon St. and James Ave., here. $150,000 or more.

Mass., Newton (Ind. br. Boston) — STORE and OFFICE—J. Bon, 27 School St., Boston, plans 2 or more story, brick, Commonwealth Ave. $150,000 or more. Engineer and architect not selected.

R. I., Providence—BANK and OFFICE —Rhode Island Trust, c/o York & Sawyer, archts., 100 East 42nd St., New York City, soon lets contract 10-12 story, brick, steel and limestone, Westminster St. $600,000.

Conn., Hartford—BUSINESS—D. Fazzano, 1100 Main St., had plans prepared by G. Zunner, 182 High St., brick, limestone and steel, Chapel and Trumbull Sts. $150,000.

N. Y., Brooklyn — HOSPITAL — United Israel Zion Hospital, G. Roth, pres., 17th Ave., soon takes bids 4 story, brick, steel and stone, plain foundation, 10th Ave. $200,000. L. A. Abramson, 46 West 46th St., New York City, archt.

N. Y., Buffalo—CITY HALL—City having plans prepared by H. L. Beck, Realty Bldg., 16 story, 150 x 150 ft., rein.-con. and stone, Niagara Sq. $600,000. Noted Dec. 17.

N. Y., New York—APARTMENT—I. L. Goldberger, c/o Schwartz & Gross, engrs. and archts., 347 5th Ave., having plans prepared 10 story brick, steel and stone, plain foundation, East 81st St. $750,000.

N. Y., New York — APARTMENT — Owner, c/o Walker & Gillette, engrs. and archts., 128 East 37th St., having plans prepared 16 story, brick, steel and stone, plain foundation, 79th and Park Ave. $1,000,000.

N. Y., New York—HOTEL—G. Benenson Investing Co., 165 Bway., plans 27 story, 110 x 200 ft., brick, steel and stone, plain foundation, Madison Ave. and 59th St. $2,-000,000. Engineer and architect not selected.

N. Y., New York—HOTEL—Three Hundred Fifty-Nine West 42nd St., Co., c/o Deutsch & Schneider, engrs. and archts., 55 Maiden Lane, having plans prepared 20 story, brick, steel and stone, plain foundation, West 42nd St. $1,000,000.

N. Y., New York—LOFT—Amer. Bookbinding Co., 406 West 31st St., soon takes bids brick, steel and stone, plain foundation, West Houston, King and Varick Sts. $1,500,000. Parker & Schaffer, 280 Madison Ave., engrs. and archts.

N. Y., New York—LOFT and OFFICE—C. G. Edwards, c/o Jardine, Hill & Murdock, archts. and engrs., 347 Madison Ave., having plans prepared 17 story, brick, steel and stone, plain foundation, Worth St. $6,000,-000.

N. Y., New York—MEMORIAL—Dept. Parks, Arsenal Bldg., Central Park, soon takes bids Theodore Roosevelt Memorial, 5 story, brick, steel and stone, plain foundation, Central Park West and 79th St. $2,-500,000. J. R. Pope, 542 5th Ave., archt. E. E. Seelye, 101 Park Ave., engr. Noted Mar. 25.

N. Y., New York—OFFICE—A. Brisbane, 238 Williams St., having plans prepared by Rouse & Goldstone, engrs. and archts., 512 5th Ave., brick, steel and stone, plain foundation, Madison Ave. $1,650,000.

N. Y., New York — THEATRE — Loews, Inc., 1540 Bway., having plans prepared by T. W. Lamb, engr. and archt., 644 8th Ave., brick, steel and stone, plain foundation, 105 East 4th St. $350,000.

N. J., Elizabeth—APARTMENT—Salem Constr. Co., Newark, having plans prepared by Kosoff & Flatt, Newark, 5 story, brick, steel and concrete, Salem Ave. and Pingry Pl. $400,000.

N. J., Roselle (Ind. br. Elizabeth) — THEATRE—J. Cooley, 33 Westfield Ave., plans theatre, 11 Westfield Ave. $150,000. Engineer and architect not selected.

Pa., Pittsburgh—OFFICE—J. I. Simon, 527 5th Ave., soon takes bids 12 story and basement, 69 x 111 ft., brick, hollow tile and steel, 5th Ave. and 6th St. Jardine, Hill & Murdock, 347 Madison Ave., New York City, N. Y., archts. Noted Feb. 18.

Md., Baltimore—APARTMENT—Liberty Court Apartment Co., Calvert Bldg., having plans prepared by E. H. C. Browne, 402 St. Paul St., 3 story and basement, irregular shaped, rein.-con. and brick, plain foundation, Liberty Heights Ave. $160,000.

N. C., Greensboro—BANK—Amer. Exch. Natl. Bank plans 9 story, 115 x 125 ft. addition, Market and Elm Sts. $350,000. Engineer and architect not selected.

N. C., Lenoir—TEMPLE—Hibritten Masonic Lodge, E. A. Poe, building committeeman, having preliminary plans prepared by H. Upjohn, Grand Central Terminal, New York City, 5 story Masonic building. $250,000.

S. C., Orangeburg—CITY HALL—Election Aug. 17, $175,000 bonds, city hall.

Miss., Jackson—OFFICE—P. Chambers, et al, Jackson, takes bids about Oct. 1, 10 story, rein.-con., brick, stone and terra cotta, Pearl and Southwest Sts. $300,000 up. C. H. Lindsley, Lemar Life Bldg., archt.

O., Cleveland—HOTEL—M. Arnoff, 420 Leader-News Bldg., having plans prepared by G. A. Rudolph, 3922 Trumbull Ave., 5 story, 60 x 145 ft., brick and rein.-con., East 90th St. and Carnegie Ave. $250,000.

O., Cleveland—STORE, REPAIR SHOP and WAREHOUSE—E. H. Fishman, Williamson Bldg., had plans prepared by M. Weis, Union Bldg., 1 story, 50 x 190 ft., brick and steel, incl. steam heating, 6529 Carnegie Ave.

O., Columbus—STORE—V. Loewer Furniture Co., 136 East Main St., having plans prepared by Carmichael & Millspaugh, Long St., 4 story and basement, 187½ x 193 ft., brick, concrete and terra cotta, East Main St. $200,000.

Ind., Elwood—THEATRE—W. Dickson had plans prepared by A. M. Strauss,

Buildings—Commercial (Continued)

706-7-8 Shoaff St., Ft. Wayne, brick, steel and rein.-con. theatre, 1,200 seating capacity. $150,000.

Ind., Ft. Wayne—HOTEL—Apartment Building Co., had plans prepared by A. M. Strauss, 6 story, 125x184 ft., brick, steel and rein.-con. hotel. $300,000.

Ind., Indianapolis — THEATRE — Circle Theatre Corp., 45 Monument Pl., soon lets contract 6 story, brick, steel and rein.-con. motion picture theatre, 3,500 seating capacity, Washington St. between Illinois and Capitol Sts. $1,000,000. Rubush & Hunter, Amer. Central Life Bldg., archts. Noted July 8.

Ind., Indianapolis — THEATRE — C. M. Kelly, 3551 Washington Blvd., having plans prepared by H. Z. Dietz, 5 East Market 506, 2 story, 100 x 170 ft., brick, steel and rein.-con. motion picture theatre, 10th and Dearborn Sts. $150,000.

Ind., Richmond — THEATRE — M. E. Remley had plans prepared brick and steel theatre. $150,000. Private plans.

Ill., Alton—CITY HALL—Election Aug. 20, $200,000 bonds, city hall.

Mich., Detroit—OFFICE—C. Brooks, 113 Martin Pl., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 8 story and basement, 68 x 73 ft., rein.-con., brick and stone, plain foundation, John R. St.

Ill., Chicago—CLUB—J. S. Blackton, c/o Thielbar & Fugard, archts., 219 East Superior St., had plans prepared and soon takes bids Vista Del Lago Club, on 363 x 500 ft. site, incl. patio, 100 ft. wide, ballroom, terrace, theatre, roof garden, garage, grill room, 1,200 seating capacity, swimming pool, etc., Lake Shore Dr. $1,500,000.

Ia., Mt. Ayr—COURT HOUSE—Ringold Co. had plans prepared by Keffer & Jones, 204 Masonic Temple Bldg., Des Moines, and soon takes bids new court house. $150,000. Noted June 24.

Ia., Waterloo — THEATRE and BUSINESS — Badger Building Serv., 445 Milwaukee St., Milwaukee, Wis., having preliminary plans prepared by Peacock & Frank, 445 Milwaukee St., Milwaukee, Wis., 2 story and basement, concrete, brick and terra cotta, here. $350,000.

Minn., Willmar—HOTEL—Lakeland Hotel Corp., c/o B. J. Branton, pres., having plans prepared by Jensen & Foss, 511 Essex Bldg., Minneapolis, 5 story and basement, hotel and 2 story, 50 x 85 ft. clubhouse, both rein.-con., brick and stone, here. $150,000.

Mo., Cape Girardeau — HOSPITAL — Southeast Missouri Hospital Assn., A. L. Harty, pres., having preliminary plans prepared by Hoener, Baum & Froese, 3605 Laclede Ave., St. Louis, 3 story and basement, concrete, brick and stone hospital. $150,000.

Mo., St. Louis—EXCHANGE—Southwestern Bell Telephone Co., Boatmens Bank Bldg., purchased site and having plans prepared by I. R. Timlin, c/o owner, 130 x 170 ft., rein.-con., brick and stone, Delmar and Clarendon Sts.

Ark., Hot Springs—STATION—Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., plans enlarging and improving station. $165,000.

Ark., Jonesboro—COURT HOUSE, JAIL, etc.—Comrs. Craighead Co. C. B. Gregg, judge, postponed indefinitely construction 5 story and basement, rein.-con., brick and stone court house, jail and sheriff's residence. $400,000. J. P. Almand, 1107 Boyle Bldg., Little Rock, archt. Noted Apr. 29.

Tex., Abilene—HOTEL—Abilene Hotel Co., c/o W. G. Swenson, had plans prepared by D. S. Castle Co., 701-4 Alexander Bldg., 9 story and part basement, 100 x 140 ft., rein.-con., brick and tile, plain foundation, incl. heating and elevator, 4th and Pine Sts. $400,000.

Tex., Dallas — OFFICE — Exporters Realty Co., c/o P. R. Freeman, Kirby Bldg., plans remodeling and constructing 1 story additon to office building, Akard and Wood Sts. $150,000. Engineer and architect not selected.

Tex., Electra — HOTEL — Chamber of Commerce, c/o Secretary, plans 4 story, brick, stone and rein.-con. hotel, here. $150,000. Engineer and architect not selected.

Tex., Ennis — HOME — Grand Lodge I.O.O.F., c/o E. Q. Vestal, secy., 201 North Texas Bldg. and W. H. Wray, chn. Building Com., 1609 Elm St., both in Dallas, having preliminary plans prepared by Lang & Witchell, American Express Bank Bldg., Dallas, 2 story and basement, rein.-con., brick, steel and stone home, here. $150,000.

Tex., Greenville—THEATRE—Greenville Theatres, Inc., c/o J. Lilley, Greenville, plans rein.-con. and brick theatre Lee, Washington and John Sts. $150,000. Engineer and architect not selected.

Tex., Mission — BUSINESS — Duncan & Melch, G. Spear et al, having plans prepared by R. H. Cameron, 1116 City Natl. Bank Bldg., San Antonio, 1 and 2 story, part basement, 275 x 300 ft. rein.-con., brick, tile and stone, plain foundation, here. $300,000.

Tex., San Angelo—OFFICE and BANK—San Angelo Natl. Bank, c/o M. L. Mertz, pres., having preliminary plans prepared by A. F. Korn, Jr., Thomas Bldg., Dallas, 6 or 8 story and basement, 50 x 100 ft., brick, stone and steel, incl. elevators, and steam heating, Chadburn and West Twohig Sts., $300,000.

Tex., Sweetwater—CITY HALL—City, c/o M. L. Trammell, secy., having plans prepared by Page Bros., Austin Natl. Bank Bldg., Austin, 2 story, brick, stone and steel city hall. $160,000. Noted July 15.

Tex., Welasco—HOTEL—C. A. Sheffield, Park Hotel, Dallas, having plans prepared by W. C. Hedrick, 100 Ashland St., Ft. Worth, 5 story and part basement, rein.-con., brick and stone hotel. $250,000.

Wash., Seattle—APARTMENT—E. Guenther, archt., Ry. Exch. Bldg., takes bids about Sept. 19, 10 story and basement, rein.-con., brick, steel and terra cotta, Madison and Terry Aves. $750,000. Owner's name withheld.

Wash., Seattle — APARTMENT — W. H. Milner & Co., archts., Haight Bldg., prepared plans and take bids about Aug. 19, 4 story and basement, 120 x 120 ft., rein.-con., 17th and East John Sts., for R. & R. Investment Co., Haight Bldg. $225,000.

Calif., Fresno—HOSPITAL—Fresno Co. plans providing $100,000 funds through direct tax, for 1st unit tubercular hospital. D. M. Barnwell, co. clk. Noted Jan. 21.

Calif., Long Beach—OFFICE and LOFT—R. W. Martin, Cooper-Arms Hotel, having preliminary plans prepared by C. C. Frye, Grosse Bldg., Los Angeles, 12 story and basement, 140 x 160 ft., rein.-con., Crescent Ave. and Bway. To exceed $500,000.

Calif., Los Angeles—APARTMENT—P. A. Weeger, 4669 Hollywood Blvd., having plans prepared by Gogerty & Weyl, 818 Hollywood Guaranty Bldg., 6 story and basement, 50 x 115 ft., rein.-con., 8th St. and Gramercy Pl. $175,000.

Calif., Los Angeles — CATHEDRAL — Scottish Rite Lodges, 9th and Hope Sts., plans approximately 300 x 300 ft. cathedral. $2,000,000.

Calif., Los Angeles — HOTEL — L. A. Smith, archt., Film Exch. Bldg., prepared plans 4 story, brick hotel, incl. refrigerating plant, Franklin Ave. and Vista Del Mar. $150,000. Owner's name withheld.

Calif., Los Angeles—OFFICE and LOFT—J. Steinberg, c/o Curlett & Beelman, archts, Union Bank Bldg., having plans prepared 12 story and basement, 125 x 160 ft., cast stone or terra cotta, brick and rein.-con., Los Angeles St. To exceed $350,000.

Calif., Marysville—APARTMENT—Corporation of Marysville Businessmen, having preliminary plans prepared by Dean & Dean, State Life Bldg., Sacramento, 5 story, fireproof construction, 5th St. To exceed $150,000.

Calif., Modesto — MEMORIAL CLUB — Stanislaus Co. plans voting tax, $287,500, club memorial buildings in various sections, for Amer. Legion.

Calif., Oceanpark (Ind. Sta., Santa Monica) — APARTMENT and STORE — J. W. Stiles, c/o C. H. Russell, archt., Story Bldg., Los Angeles, having plans prepared 3 story and basement, 80 x 100 ft., rein.-con. and brick, incl. refrigerating system on 1st floor, Main St. $150,000 or more.

Calif., Richmond — WAREHOUSE — Standard Sanitary Mfg. Co., 1000 Brannan St., San Francisco, having revised plans prepared by J. J. Donovan, Tapscott Bldg., Oakland, 3 story, 135 x 250 ft. warehouse, in North Richmond Dist. $350,000.

Calif., San Francisco—APARTMENT—Vukicevich & Lacy, Hearst Bldg., having plans prepared by J. C. Hladik, Monadnock Bldg., 8 story and basement, rein.-con., O'Farrell St. near Larkin St. $150,000 or more.

Calif., San Francisco—APARTMENT—Twenty-Nine Hundred and Nine Larkin Apartment Inc., c/o Quandt & Bro., archts., Humboldt Bank Bldg., had plans prepared 10 story, basement and sub-basement, steel and concrete, Larkin St. $200,000.

Calif., San Jose — HOTEL — J. Zeller, Schuyler Hotel, Long Beach, plans fireproof hotel. $500,000.

Calif., San Francisco — HOTEL — King George Hotel, 334 Mason St., plans 10 story and basement, 150 room addition, Mason St. $150,000 or more.

Calif., San Francisco — HOSPITAL — Green Ophthalmic Institute, 853 Hyde St., having plans prepared by Meyer & Johnson, 742 Market St., 3 story and basement hospital, Bush and Octavia Sts. $150,000 or more. Noted June 3.

Ont., Ottawa—APARTMENT—W. Shenkman, 281 Laurier Ave. E., having plans prepared by C. Burgess, 185 Sparks St., 165 x 172 ft., brick, plain foundation, Laurier Ave. E. $160,000.

Ont., Ottawa — HOSPITAL — Sisters of Misericordia, Cambridge St., plans rein.-con. brick and steel, plain foundation, addition to Misericordia Hospital, Cambridge St. $250,000.

Ont., Toronto — APARTMENT — W. H. Bagshaw, 503-A West Morningside Ave., having plans prepared 3 or 4 story and basement, rein.-con., brick and steel, plain foundation, Roncesvalles Ave. $150,000. Private plans.

Ont., Toronto — GARAGE, SERVICE STATION and SHOW ROOMS—International Harvester Co., Sherman Ave., Hamilton, having plans prepared by Hutton & Souter, 6 James St. S., Hamilton, 2 story and basement, rein.-con., brick and steel, plain foundation, incl. elevator, steam heating equipment, Bay St. $150,000.

Bids Desired

Mass., Boston—TEMPLE, etc.—Aug. 17, by McLaughlin & Burr, archts., 88 Tremont St., group 1 and 3 story, irrgeular shaped, brick and limsetone, plain foundation, Riverway, Longwood Ave., Berners and Plymouth Sts., for Congregation Adath Israel Temple, H. Levi, rabbi, 602 Commonwealth Ave. $1,000,000. Noted July 1.

Mass., Boston — WAREHOUSE and GARAGE—Morgans Furniture Co., 755 Washington St., taking bids 6 story, 67 x 140 ft., warehouse, and 1 story, 85 x 125 ft. garage, rein.-con., Massachusetts Ave. To exceed $150,000. I. Richmond, 219 Boylston St., archt.

Mass., Dorchester (Boston P. O.)—MARKET—Uphams Corner Market Co., c/o W. M. Bacon, archt., 27 Kilby St., Boston, taking bids 3 story, 10,000 sq.ft. floor space, rein.-con., brick and stone, plain foundation, Columbia Rd. $150,000.

Mass., Hull — CASINO and CLUB — Colonial Casino Corp., 43 State St., Boston, taking bids 2 story and basement, 125 x 250 ft., brick casino and club building. $150,000. O. J. Gette, 103 Park Ave., New York City, archt.

Mass., Jamaica Plain (Boston P. O.)—OFFICE and WAREHOUSE—See "Contracts Awarded."

Mass., Lynn—BANK—Natl. City Bank of Lynn taking bids altering and constructing 2 story and basement, concrete and steel addition, 134 Market St. $150,000. C. I. Betton, 31 Exchange St., archt. Noted June 10.

Mass., Pondville (East Norfolk P. O.)—HOSPITAL—Aug. 10, by Dept. Pub. Health, Boston, 2 and 3 story and basement, brick and stone additions to Norfolk State Hospital, plain foundations, here. $150,000. Kendall Taylor & Co, 142 Berkley St., Boston, archts.

Mass., Somerville (Boston P. O.)—CLUB—See "Contracts Awarded."

Conn., Putnam—THEATRE—Aug. 12, by S. A. Realty Co., J. Albert, treas., 30 Pleasant St., 2 story, 65 x 130 ft., brick and steel, Main and Lee Sts. $150,000. C. E. Horn, 1476 Bway., New York City, archt. Noted June 24.

N. Y., Brooklyn — Aug. 18, by A. Van Sinderen, chn. building commission Y. W. C. A., 40 Remsen St., 11 story, brick, steel and stone, plain foundation, Atlantic and State Sts. F. L. Ackerman, 19 West 44th St., New York City, archt. E. E. Seelye, 101 Park Ave., New York City, engr. Noted Mar. 18.

N. Y., New York—OFFICE—See "Contracts Awarded."

N. J., Newark—MAUSOLEUM—Aug. 25, by Fairmount Cemetery Corp., South Orange Ave., stone mausoleum in Fairmount Cemetery. $1,000,000. W. H. Deacy, 681 5th Ave., New York City, archt. Noted June 3.

Pa., Phila.—APARTMENT—Aug. 6, by R. E. Benckert, archt., 13th and Chestnut Sts., 16 story and basement, 120 x 220 ft., rein.-con., brick and steel addition, plain foundation, 19th and Walnut Sts., for The Wellington, c/o F. H. Frazer, 19th and Walnut Sts. $3,000,000.

O., Canton—LODGE and OFFICE—Aug. 10, by R. Schisler, Canton Lodge of Eagles, 5 story and basement lodge and office building, 6th and Market Aves. $250,000. A. L. Thayer, New Castle, Pa., archt.

O., Cleveland — APARTMENT — F. J. Langer, 2908 Enclid Ave., taking bids 3 story and basement, 56 x 102 ft., brick, East 116th St. and Cromwell Ave. $150,000. L. R. Walker, 1900 Euclid Bldg., archt.

O., Cleveland — APARTMENT — A. H. Barber, c/o F. W. Ball, archt., Hanna Bldg., taking bids 4 story and basement, 100 x 150 ft., brick, steel and concrete, Franklin Ave. $200,000.

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Buildings—Commercial (Continued)

O., Hamilton—HOTEL—Aug. 10, by F. G. Mueller & W. R. Hair, archts., Renstschler Bldg., 7 story, 65 x 85 x 165 ft., brick, architects, G. B. Post & Sons, 101 Park for Hamilton Community Hotel Corp., c/o steel and concrete hotel, incl. 3 elevators, Ave., New York City, N. Y., consult. engrs. Noted May 6.

Ind., Gary — HOSPITAL and NURSES HOME—Methodist Episcopal Hospital, A. M. Fisher, pres., 1600 West 6th St., taking bids 3 story and basement, brick, steel and rein.-con. hospital and nurses home. $150,000. L. E. Hiner, Gary, archt.

Mich., Detroit—OFFICE and SHOP—A. Kahn, 1000 Marquette Bldg., taking bids remodeling 8 story, 100 x 320 ft., rein.-con., brick and steel, present building into shop and office, incl. steam heating equipment, etc., Woodward Ave. and East Grand Blvd., for Stormfeltz-Loveley Co., Washington Blvd. Bldg. $500,000.

Ill., Chicago — APARTMENT — F. G. Hardin, 38 South Dearborn St., taking bids 8 story and basement, 66 x 127 ft., rein.-con., brick and stone, 6104-08 Woodlawn Ave., for Syndicate. $600,000. F. Stanton, 310 South Michigan Ave., archt.

Ill., Chicago—APARTMENT—McNally & Quinn, archts., 8 South Dearborn St., prepared plans and taking bids 17 story apartment, on 173 x 376 ft. site, Fullerton Parkway between Clark St. and Lincoln Parkway, for Three-Hundred and Ninety-Nine Fullerton Parkway Corp. $1,500,000.

Ill., Chicago — APARTMENT — A. Story (representing owner), 1544 Glenlake Ave., taking bids Webster Memorial Buildings, 3 story, 125 x 375 ft., rein.-con., brick, slate and tile, North Clark St. between Granville and Thorne Aves., for B. F. Weber, 160 North La Salle St. $1,500,000. R. C. Ostergren, 155 North Clark St., archt.

Ill., Moline — TEMPLE — Moline Lodge Perfection, A. F. & A. M., S. J. Seymour, chn., 524 15th Ave., taking bids 3 story and basement, 113 x 220 ft., rein.-con., brick and stone, 18th St. and 8th Ave. $450,000. Whitsett & Schulzke, Peoples Bank Bldg., archts. Noted Jan. 14.

Ill., Winnetka — STORE and APARTMENT—W. K. Meyer, c/o Winnetka Trust & Savings Bank, taking bids 3 story and basement, brick, stone and tile, Elm and Chestnut Sts. $160,000. Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, archts.

Wis., Kenosha—THEATRE and BUSINESS—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids 2 story and basement, brick, concrete and terra cotta, plain foundation, here, for Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee. $500,000. Noted Jan. 21.

Wis., Madison—APARTMENT—Aug. 14, by Peacock & Frank, archts., 445 Milwaukee St., Milwaukee, 5 story and basement, 112 x 155 ft., rein.-con. and brick, plain foundation, Butler and Gilman Sts., here, for Badger Building Serv., 445 Milwaukee St., Milwaukee. $275,000. Noted July 22.

Wis., Milwaukee—APARTMENT-HOTEL and STORE, etc. — C. J. Keller & Son, archts., 432 Bway., taking bids, superstructure 8 story and basement, 65 x 143 ft., brick, concrete and terra cotta, Grand Ave., for F. A. Schaetzke, 1385 Lake Dr. $500,000.

Mo., St. Louis—AUDITORIUM—Aug. 17, by Bd. Pub. Serv., 208 City Hall, 2 story and basement, 55 x 190 ft., rein.-con. and stone, Arsenal and Brannon Sts. $225,000. L. R. Bowen & H. Updike, 301 City Hall, engrs. L. R. Bowen & A. Osbury, 301 City Hall, archts.

Mo., St. Louis—THEATRE—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids 2 story and basement, 147 x 200 ft., rein.con. and steel, Easton and Hamilton Aves., here, for Central Properties Corp., 706 North Grand Blvd. $1,000,000. This corrects report in July 29 issue.

Mo., St. Joseph—THEATRE—Missouri Theatre, S. Harding, vice pres., Davidson Bldg., taking bids 3 story and basement, 75 x 140 ft., rein.-con., brick, steel and terra cotta, here. $250,000. Boller Bros., 114 West 10th St., archts. Noted May 20.

Tex., Waco—OFFICE—W. C. Hedrick, archt., 100 Ashland St., Ft. Worth, and H. L. Spicer, associated archt., Waco, taking bids 2 story, basement and mezzanine, 50 x 57 ft., rein.-con., tile and stone, here, for Amicable Life Insurance Co., c/o president. $150,000.

Calif., Long Beach—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—HOSPITAL—Aug. 16, by Los Angeles Co., remodeling present 3 story and constructing 2 story, 59 x 160 ft., rein.-con. addition to general hospital, 1100 Mission Rd. $150,000. Former bids rejected. W. Davidson, ch. mechanical engr. Noted July 15.

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Calif., Los Angeles—POLICE STATION —See "Contracts Awarded."

Calif., Los Angeles — THEATRE — A. Ramish, 649 South Olive St., taking bids 1 story and mezzanine, 100 x 145 ft., rein.-con., 1,700 seating capacity, 2300 South Central Ave. $150,000. J. P. Perrine, 814 Lincoln Bldg., archt.

Calif., Pasadena — APARTMENT — A. Livingstone, c/o M. Hunt, archt., Hibernian Bldg., Los Angeles, taking bids 3 story and basement, 65 x 175 ft., brick, South Los Robles Ave. $150,000.

Calif., Pasadena — LODGE — Bennett & Haskell, archts., Security Bldg., taking bids 2 story, 110 x 137 ft. masonic temple, South Euclid Ave., for Masonic Lodges of Pasadena. To exceed $200,000. Noted Apr. 8.

Bids Received

Ark., Hot Springs—HOTEL—A. N. Harl, c/o Army & Navy Hospital, general contract 14 story, basement, mezzanine floor and roof garden, rein.-con., brick and terra cotta, Central Ave. and North St., from Kaucher-Hodges Constr. Co., Shrine Bldg., Memphis, Tenn.

Tex., Houston—LODGE—Ancient Order of Pilgrims, 4 story and basement, 100 x 120 ft., brick, stone, steel and rein.-con., West Dallas and Bagby Sts., from W. P. Terrell, 1618 Andrews St. Archts. est. $200,000.

Tex., San Antonio — STORE — McCrory Stores Corp., 1107 Bway., New York City, N. Y., 2 story, 82 x 190 ft., rein.-con., brick and tile, plain foundation, Houston and Navarro Sts., here, from L. T. Wright & Co., c/o Builders Exch. Bldg., approximately $155,000. Noted May 13.

Okla., Ada—COURT HOUSE—Pontotoc Co., general contract 4 story and basement, 73 x 104 ft., rein.-con., brick and stone, from Clickner Constr. Co., 22 West 2nd St., Hutchinson, Kan., $138,500. Noted July 1.

Contracts Awarded

N. H., Portsmouth—APARTMENT—H. A. Mears, archt., 101 Tremont St., Boston, Mass., 4 story and basement, brick and stone, plain foundation, Rockland St. and Miller Ave., to J. A. Benoit, 185 Alfred St., Biddeford, Me. Owner's name withheld.

Mass., Cambridge (Boston P. O.) — STOREHOUSE—Stimpson Terminal Co., 10 Temple St., 1 and 2 story, 120 x 200 ft. and 190 x 299 ft., brick, Erie St., to J. J. Prindiville Co., Framingham. Archts. est. $200,000. Noted July 8.

Mass., Fall River—STORE and OFFICE—M. T. Hudner, 180 Main St., 3 story and basement, brick and stone, plain foundation, Borden and Main Sts., to J. Crowe Co., Inc., 486 2nd St. Archts. est. $200,000. Noted July 1.

Mass., Jamaica Plain (Boston P. O.)—OFFICE and WAREHOUSE—A. Luff & Sons, 60 Glen Rd., will build 2 story and basement, 45 x 145 ft., and 70 x 75 ft., brick, Glenn St. $200,000. Work will be done by separate contracts. Blackall & Elwell, 45 Bromfield St., Boston, archts.

Mass., Somerville (Boston P. O.)—CLUB —Italian Mutual Relief Assn., 615 Somerville Ave., will build 3 story and basement, brick and stone, plain foundation, 615-617 Somerville Ave., by day labor. Archts. est. $150,000. J. A. Quirk, 10 Tremont St., Boston, archt. Noted June 10.

Mass., Turners Falls—THEATRE—P. D. Shea, 1 story and basement, 50 x 100 ft., brick theatre, to Thomas Bros., Turners Falls. Archts. est. $150,000.

Mass., Worcester — THEATRE — Main Street Corp., c/o A. W. Johnson, archt., Madison Ave., New York City, 5 story, brick and steel, Main and High Sts., here, to J. D. Harrison Constr. Co., 285 Madison Ave., New York City. Archts. est. $800,000-$900,000.

R. I., Providence—BANK and OFFICE—Rhode Island Hospital Trust, c/o York & Sawyer, archts., 100 East 42nd St., New York City, bank and office, Westminster St., here, to Starrett Bros., 292 Madison Ave., New York City.

R. I., Westerly—OFFICE—South Country Pub. Serv. Co., 3 story, brick and steel, to Rowley Constr. Co., 260 Central Ave., Pawtucket. Archts. est. $150,000. Noted July 15.

Conn., Derby — THEATRE — Fifty-Nine Elizabeth Street Corp., 59 Elizabeth St., 2 story, 68 x 205 ft., brick and steel, to J. D. Harrison Constr. Co., 285 Madison Ave., New York City. Archts. est. $200,000.

Conn., Hartford—THEATRE—D. Weinstock, 22 Girard Ave., Arcadia Theatre, 2 story and basement, brick, steel and stone, State St., to G. Cudenemo & S. N. E. Constr. Co., 68 Temple St. Archts. est. $200,000. Noted Mar. 4.

N. Y., Albany—SERVICE STATION and SHOW ROOM—Mack International Motor Truck Co., service station and show room, Bway. and Emmet Sts., to J. J. Fin & Son, 75 Northern Blvd. Archts. est. $260,000.

N. Y., Brooklyn—STORE and OFFICE— Albas Realty Co., 2 story and basement, 10 x 100 ft., concrete, brick and terra cotta, 86th St. and 21st Ave., to Rugge Constr. Co., 189 Bay 19th St., $100,000.

N. Y., Buffalo—BANK—Manufacturers & Traders Bank, Main and Swan Sts., 3 story, rein.-con., brick and steel, Main and Swan Sts., to R. E. Williams, Jackson Bldg. To exceed $800,000.

N. Y., New York—HOSPITAL—Babies Hospital, 135 East 55th St., brick, steel and stone, plain foundation, Bway. and 168th St., to M. Eidlitz & Sons, Inc., 41 East 42nd St. Archts. est. $1,000,000. Noted Nov. 12.

N. Y., New York—OFFICE—N. C. Partos, 283 Madison Ave., will build 12 story, brick, steel and stone, plain foundation, 132 West 43rd St. $800,000. Work will be done by separate contracts.

N. J., Camden—WAREHOUSE, STORE and APARTMENT—J. Rosenkrantz, 2 story and basement, 18 x 100 ft., and 40 x 100 ft., rein.-con., brick and steel, plain foundation, Friends Ave. and Penn St., to M. W. Cooperson, Van Russ Bldg. Noted July 29.

N. J., Newark—OFFICE—Prudential Insurance Co., Prudential Bldg., 3 story, brick, steel and stone, plain foundation, Broad and Academy Sts., to J. W. Ferguson, 152 Market St., Paterson. Archts. est. $400,000.

N. J., Roselle (Ind. br. Elizabeth)—BANK —First Natl. Bank, 1 story, brick addition, to P. B. Polhemus, Roselle, $150,000.

Pa., Coatesville—HOSPITAL—Coatesville Hospital, c/o Heacock & Hokenson, archts., 1211 Chestnut St., 3 story and basement, 40 x 121 ft., rein.-con., brick and steel, plain foundation, here, to Elliott Constr. Co., Coatesville. Noted July 8.

Pa., Phila. — INSURANCE — Providence Life Insurance Co., 4th and Chestnut Sts., 4 story and basement, 60 x 340 ft., rein.-con., stone and steel, plain foundation, 46th and Market Sts. to Turner Constr. Co. 1700 Walnut St. $3,000,000 cost plus percentage basis. Noted Apr. 8.

Va., Richmond — THEATRE—Neighborhood Theatres Corp., L. Goldberg, pres., 2506 West Grace St., theatre, 800 seating capacity, incl. heating, ventilating and cooling system, etc., Robinson and Broad Sts., to Graham Constr. Co., 1st and Lee Sts. Archts. est. $200,000.

N. C., Charlotte—HOTEL—Citizens Hotel Co., 9 story addition to Hotel Charlotte, to J. A. Jones Constr. Co., Realty Bldg., $196,808. Noted July 1.

O., Cincinnati—CLUB—Queen City Club, 7th St., 3 story and basement, brick and rein.-con., plain foundation, Bway., to J. and F. Harig, Queen City Ave., $550,000.

O., Cleveland—HOTEL—Auditorium Hotel Co., c/o G. and E. W. Paul, Fidelity Mortgage Bldg., rein.-con. work for 10 story and basement, 100 x 120 ft., brick and steel, East 6th St. and St. Clair Ave., incl. elevators, to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Archts. est. $850,000.

Ind., Crown Point—CRIMINAL COURT —Comrs. Lake Co., general contract brick, steel and rein.-con., to Henderlong Lumber Co., Crown Point, $186,864.

Mich., Escanaba—HOSPITAL—St. Francis Hospital, 4 story and basement, concrete and brick addition, plain foundation, to A. M. Arntzen, 1018 South 6th Ave. Archts. est. $200,000. Noted May 6.

Ill., Chicago — APARTMENT—Forrester Apartment Hotel Corp., c/o E. Grossman, archt., general contract, 6 story and basement, 50 x 154 ft., rein.-con., brick and stone, 1312-14 Lunt Ave., to A. E. Pearson Co., 105 West Monroe St. Archts. est. $400,000.

Ill., Chicago—BANK—Mid City Trust & Savings Bank, Halsted and Madison Sts., general contract remodeling building, to Strandberg Bros., 608 South Dearborn St. Archts. est. $500,000.

Ill., La Grange—STORE and APARTMENT—R. Mansfield, Jr., 1645 South Crawford St., Chicago, 3 story and basement, 70 x 175 ft., brick, stone and stucco, Spring and Burlington Sts., to J. L. Tupy, 6307 West 22nd St., Berwyn. Archts. est. $150,000.

Wis., Milwaukee — HOSPITAL — Misericordia Hospital, 22nd and Chestnut Sts., 3 story, 45 x 100 ft., rein.-con. and brick top addition, to E. Steigerwald & Sons, 51st and State Sts. Archts. est. $150,000.

Minn., St. Cloud—HOSPITAL, etc.—Sisters of St. Benedict, & St. Benedicts Academy, St. Joseph, general contract 6 story, basement and sub-basement, rein.-con., brick and stone hospital and power hcuse, here, to Hutter Constr. Co., Fond du Lac, Wis., approximately $1,000,000. Noted July 8.

Buildings—Commercial (Continued)

Kan., Winfield — BANK — Schmidt, Boucher & Overand, archts., 4th Natl. Bank Bldg., Wichita, 5 story and part basement, 50 x 70 ft., and 25 x 70 ft., rein.-con., brick and terra cotta addition, plain foundation, here, to P. Frankenfield, Winfield, for Winfield State Bank. $128,000. Noted July 15.

Neb., Lincoln—OFFICE—W. E. Sharp, Lincoln, 15 story, 100 x 142 ft., rein.-con. and steel, plain foundation, 13th and N Sts., to Seldon-Breck Constr. Co., 205 Arthur Bldg., Omaha. Archts. est. $1,200,000.

N. D., Grand Forks—HOTEL—K. Ryan, general contract, 5 story and basement, 50 x 140 ft., rein.-con. and brick, Alpha Ave. and 3rd St., to Northern Constr. Co., Grand Forks. Archts. total est. $400,000.

Mo., Kansas City—BANK and OFFICE—Holden, Farris & Barnes, archts., 414 New York Life Bldg., 7 story (ultimately 12 story) and basement, 85 x 115 ft., rein.-con. and brick, 18th and Grand Sts., to Eberhardt Constr. Co., 700 Dwight Bldg., for City Bank, 18th and McGee Sts. C. Kemper, pres. Archts. est. $600,000. Noted June 17.

Tex., Amarillo—HOTEL—H. E. Smith, general contract, 4 story and basement, 106 x 121 ft., rein.-con., stone and brick, to Brennen & Co., 905 Market St., Dallas. Archts. est. $300,000.

Tex., Houston—HOTEL—R. S. Sterling, Post Despatch Bldg., 40 story and basement, 150 x 250 ft., granite, stone, brick, steel and rein.-con., incl. refrigerating and ventilating systems, elevators, Texas Ave., San Jacinto and Caroline Sts., to D. Hall, 522 Cotton Exch. Bldg., $6,000,000 cost plus percentage basis.

Tex., Sherman—HOTEL—Sherman Hotel Co., c/o W. C. Witt, 2519 Oak Lawn Ave., Dallas, 5 story and basement, 78 x 120 ft., brick and stone, incl. elevator and steam heating, to Bellows-Maclay Constr. Co., 611 Kirby Bldg., Dallas. $300,000 cost plus percentage basis. Noted July 29.

Tex., Val Verde—HOTEL—Val Verde Industries, c/o H. P. Hansen, pres., 3 story and basement, brick, stone and tile, incl. elevator, to T. T. Hopper, Post-Dispatch Bldg., Houston. $150,000 cost plus percentage basis.

Calif., Long Beach—APARTMENT—M. Lightburn, 1911 East 5th St., will build 4 story, 100 x 200 ft., brick, El Molina St., by day labor and sub-contracts.

Calif., Los Angeles—APARTMENT—J. A. Faucher, 6070 Drexler Blvd., 4 story and basement, brick, Alexandria St., to Masonry Constr. Co., Bradbury Bldg., $150,000.

Calif., Los Angeles—CITY HALL—Bd. Pub. Wks., general contract 28 story, 250 x 470 ft., steel and rein.-con., 151 North Main St. between 1st and Temple Sts., to C. J. Kubach Co., Mercnants Natl. Bank Bldg., $2,868,000; foundation contract, to Lange & Bergstrom, $84,644; and elevators, to Baker Iron Wks., 912 North Bway., $132,000. Noted July 15.

Calif., Los Angeles—HOTEL—Hotel St. Paul, Inc., c/o T. B. Morrison, archt., 1121 Pacific Mutual Bldg., 10 story and basement, 55 x 130 ft., rein.-con., 6th St., to J. V. Koester, I. W. Hellman Bldg., $350,000.

Calif., Los Angeles—OFFICE and LOFT—Financial Dist. Building Corp., Chapman Bldg., 13 story, 65 x 160 ft., rein.-con., 1st and Bway., to Hinds & Pelton, 351 South Hoover St. Noted June 3.

Calif., Los Angeles—POLICE STATION, etc.—City, Police Dept., will build 3 story, 100 x 105 ft., rein.-con. police station and hospital, 1335-45 Georgia St., by day labor. $225,000. Private plans. Noted May 21.

Calif.—San Francisco — HOSPITAL — Green Ophthalmic Institute, 853 Hyde St., 3 story and basement hospital, Bush and Octavia Sts., to Barrett & Hilp, 918 Harrison St. Archts. est. $150,000-$200,000.

Calif., San Pedro—BANK and OFFICE—Bank of San Pedro, 2 story and basement, 75 x 125 ft., brick and steel, 7th and Mesa Sts., to H. C. Layton, 1727 Patton St., $154,500.

Ont., Toronto—STORE and OFFICE—Central Sites Development Co., c/o N. A. Armstrong Co. Ltd., archts., 7 King St. E., 5 story and basement, 134 x 149 ft., rein.-con., brick, steel and stone, plain foundation, Bloor and Bay Sts., incl. steam heating system, 2 high speed elevators, etc., to W. H. Yates Constr. Co, 95 King St. E. Archts. est. $1,250,000. Noted July 29.

Buildings—Industrial

Proposed Work

Massachusetts—ROUND HOUSE—New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, plans 2 brick and steel round houses, one at Fall River, and other at Scituate. Private plans.

Mass., Cambridge (Boston P. O.) — PLANT—J. W. Greer Co., 119 Windsor St., plans 2 story and basement, 65 x 80 ft. addition. $40,000 or more. Engineer and architect not selected.

Mass., Everett (Boston P. O.)—PLANT—Beacon Oil Co., 111 Devonshire St., Boston, having plans peepared 3 story, 40 x 110 ft., brick addition, Beacham St. $60,000. Private plans.

N. Y., Buffalo—FLOUR MILL and ELEVATOR—International Milling Co., 1100 Flour Exch. Bldg., Minneapolis, Minn., plans flour mill and elevator on Buffalo River, here. To exceed $2,000,000.

N. Y., Buffalo—NEWSPAPER PLANT—Buffalo Courier Express, Main St., plans newspaper plant, Genesee and Franklin Sts. To exceed $1,000,000.

N. J., New Brunswick — FACTORY — Owner, c/o H. Bach, archt., Metuchen Rd., having plans prepared factory, Codwise Ave. $50,000.

Ala., Holt—SUPPLY HOUSE—Central Iron Coal Co. plans rebuilding supply house, recently destroyed by fire. $60,000.

Ind., Batesville—FACTORY—Union Furniture, having plans prepared by M. Fisher, Batesville, 4 story, 81 x 116 ft., brick and steel factory. $42,000.

Mich., Detroit — SCREW FACTORY — Automatic Products Co., 1145 West Grand Blvd., had plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 1 story, 60 x 150 ft., and 58 x 65 ft., rein.-con., brick and steel, plain foundation, incl. steam heating equipment, Bangor St.

Ill., Chicago—TANK HOUSES—Armour & Co., U. S. Yards, having plans prepared by R. C. Clark, c/o owner, 3 and 4 story, 64 x 192 ft., brick, concrete and steel, 43rd and Cook Sts. $113,000.

Wis., Evansville—STEEL SHOP and SERVICE STATION—Heffel & Jorgenson having plans prepared 2 story, 50 x 80 ft., rein.-con., brick and steel, plain foundation, here. $40,000. Private plans.

Wis., Hiles—SAW MILL and BOILER HOUSE—C. W. Fish Lumber Co., Elcho, plans rebuilding saw mill and boiler house, recently destroyed by fire. $90,000 loss.

Wis., Racine—FACTORY—Wright Rubber Products Co., Layard St. and railroad tracks, having plans prepared by F. J. Hoffman, Janes Block, 2 story, 60 x 62 ft., brick and timber addition, plain foundation.

Mo., Kansas City—CASKET FACTORY—Missouri Casket Co., 2106 East 9th St., having plans prepared by H. Von Unwerth, archt. and engr., Finance Bldg., rein-con., brick and steel casket factory, $75,000.

Tex., Alice—LIGHT, WATER and ICE PLANTS—Texas Central Power Co., c/o Frost Bldg., San Antonio, purchased site and plans ice, water and light plants, brick and concrete, here. $75,000. Private plans.

Tex., Amarillo—POWER PLANT—Kansas City Power Securities Co., Kansas City, Mo., (subsidiary of United Power & Light Co., 14th St. and Grand Ave., Kansas City, Mo.) soon lets contracts electric power plant, 10,000 kw. capacity, and distributing system, near here, $1,250,000. Private plans.

Tex., Edinburg—PAPER PLANT—Edinburg Review, c/o Publisher, plans paper plant, brick and rein.-con. $45,000. Engineer and architect not selected.

Tex., Harlingen—TEXTILE MILL—Valley Cotton Mill Co., c/o R. H. Matthews, having preliminary plans prepared 1 and 2 story textile mill, 5,000 spindle capacity. $250,000. Private plans.

Tex., Palestine — SHOP, etc. — International-Great Northern Ry. Co., C. S. Kirkpatrick, ch. engr., Union Sta., Houston, plans shop improvements, roundhouse, etc., $80,000. Private plans.

Calif., Ontario — PACKING PLANT — Exchange Orange By-Products Assn., having plans prepared by Austin Co. of California, 777 East Washington St., Los Angeles, 1 and 2 story and basement, 100 x 125 ft. and 60 x 225 ft., brick and concrete, Campus Ave. $100,000. Foundation for above awarded to Austin Co. of California, 777 East Washington St., Los Angeles.

Calif., Long Beach—REPAIR SHOPS, etc.—City plans probably concrete machine and repair shops. $50,000 or more. C. S. Henderson, city mgr.

Ont., Toronto—LAUNDRY—Taber Laundry Wks., 446 Bathurst St., having plans prepared by Kaplan & Sprachman, 298 Dundas St., rein.-con. and steel addition. $15,000.

Ont., Windsor—CONVERTER STATION—Ontario Hydro-Electric Ry. Comn., 190 University Ave., Toronto, had plans prepared by F. A. Gaby, 190 University Ave., Toronto, concrete, brick, stone and structural steel, Erie and McDougall Aves., here. $150,000.

Bids Desired

Mass., Amherst—REPAIR and SERVICE GARAGE—M. S. Paige, Amity St., taking bids 1 story, 60 x 100 ft., brick and concrete repair and service garage. $40,000. Putnam & Stuart, 78 Main St., Northampton, archts.

Mass., Boston—PLANT—Walton Lunch Co., 1083 Washington St., taking bids 1 story and basement, 125 x 155 ft., rein.-con. and brick, plain foundation, Waterford St. and Shawmut Ave. To exceed $40,000. W. C. Collett, 1078 Boylston St., archt.

Mass., Cambridge (Boston P. O.)—REPAIR and SERVICE GARAGE—Lesser & Devine, c/o Miller & Levi, archts., 46 Cornhill, taking bids 1 story, 40,000 sq.ft. floor space, brick and stone, Main, Albany and Portland Sts., here. $100,000.

Mass., Dorchester (br. Boston)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Roxbury (Boston P. O.)—STORAGE and SHED — Massachusetts Baking Co., 65 East Cottage St., taking bids 1 and 2 story, 45 x 170 ft., and 30 x 80 ft., rein.-con. and brick, East Cottage St. $150,000. McFarland & Laurie, 162 Newbury St., Boston, archts.

Mass., Wakefield—FACTORY—See "Contracts Awarded."

Mass., Woburn — FACTORY — Massachusetts Gear & Tool Co., 30 Nashua St., taking bids 1 and 2 story, rein.-con. addition, $40,000. Private plans.

Ill., Highland—MILK BOTTLING PLANT—Aug. 14, by N. C. Davis, archt., 4908 Delmar Blvd., St. Louis, Mo., 3 story, 80 x 100 ft., rein.-con. and brick bottling plant, here, for Highland Dairy Co., 4331 Chouteau Ave., St. Louis, Mo. $60,000. Noted July 29.

Calif., Los Angeles — BOX FACTORY and WAREHOUSE — See "Contracts Awarded."

Calif., San Francisco — BOTTLING PLANT—O'Brien Bros., Inc., archts., 315 Montgomery St., taking bids 1 story and basement, 103 x 107 ft., concrete, Pacific and Cordelia Sts., for S. F. Seltzer Water Co., 436 Green St. $75,000. Noted May 6.

Bids Received

Calif., Long Beach—GAS PLANT—City, from C. H. Jones, 1853 Stanley Ave., furnishing and driving piles for Municipal Gas Plant 1, 8 piles $16, 12 piles $16, 60 piles $15.50, and 80 piles $15, all piles 35 ft. long. Noted July 8.

Contracts Awarded

Mass., Beverly—WATER GAS BUILDING—Beverly Gas & Electric Co., 223 Cabot St., 1 and 2 story, steel and terra cotta extension, to P. J. MacNaughton Co., 755 Boylston St., Boston. Archts. est. $40,000.

Mass., Dorchester (br. Boston)—REPAIR and SERVICE GARAGE—Gillin Bros., 121 Hamilton St., will build 1 story, 125 x 140 ft., brick, plain foundation, 121-127 Hamilton St. $60,000. Work will be done by separate contracts. Miller & Levi, 46 Cornhill, Boston, archts.

Mass., Lynn—BAKERY—J. B. Blood, 94 Summer St., 4 story and basement, 100 x 140 ft., steel and concrete, Pleasant St., to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. $150,000.

Mass., Somerville (Boston P. O.)—FACTORY — Cambridge Machine & Tool Co., 234 Washington St., 1 story, brick, 150 Medford St., to P. Salvi, 31 Cutter Ave.

Mass., Springfield — SWITCH HOUSE — United Electric Light Co., new switch house, to Stone & Webster, Inc., 147 Milk St., Boston, approximately $900,000.

Mass., Wakefield — FACTORY — Wakefield Garage Mfg. Co., T. J. Quinn, proprietor, will build 1 story, 40 x 100 ft., rein.-con. and metal, plain foundation, Lowell & Vernon Sts. $40,000. Work will be done by separate contracts. Private plans.

Conn., New Haven — LAUNDRY — Nonpariel Laundry Co., Blatchley Ave., brick and steel addition, to Natl. Constr. Co., 151 Court St. Archts. est. $40,000.

N. Y., Albany—PRINTING—Argus Co., 410 Bway., 4 story, brick, steel and concrete, Sheridan Ave., to Turner Contg. Co.,

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Buildings—Industrial (Continued)

11 Goodell St., Buffalo. Archts. est. $150,000.

N. J., Roselle (Ind. br. Elizabeth)—FACTORY—Rapid Adding Machine Co., 1 story, 177 x 321 ft. addition, to Barclay & White, 17 x 13 Sansom St., Phila., Pa., $150,000.

Pa., Spring Mills — CLAY WORKS — Walker Bros., Spring Mills, 1 and 2 story, 69 x 115 ft., rein.-con., brick, steel and terra cotta addition to Moorehead Clay Works, plain foundation, near here, to F. J. Shuler, Norristown. Noted July 29.

Pa., West Bridgewater—BAKERY—Keystone Bakery Co., general contract 1 story, 50 x 130 ft., brick and concrete bakery, to R. B. McDanel Co., New Brighton. Archts. est. $40,000.

Tenn., Chattanooga — TERMINAL — Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., B. Herman, ch. engr., complete locomotive terminal, incl. rein.-con. round house, machine shop, boiler, smith and tank shop, wash and locker buildings, storehouse, office and oil house, power house, grading, yard structures, etc., to Dwight P. Robinson & Co., 125 East 46th St., New York City.

O., Cleveland—MACHINE and FORGE SHOP—Buckeye Forging Co., J. W. Baxter, pres., 10205 Harvard Ave., 1 story each 50 x 60 ft. forge, and 51 x 61 ft. machine shop, steel and concrete, 10207 Harvard Ave., to Dresser Co., 1082 The Arcade. Archts. est. $40,000.

O., Cleveland — FACTORY — McKinney Tool Co., E. W. McKinney, pres., 15215 Utopia Ave., 1 story, 40 x 100 ft., brick and steel, Roseland and Arabell Aves., to Boldt & Rapp Co., 5511 Union Ave. Archts. est. $40,000. Noted July 15.

O., Fairport Harbor (br. Painesville)—FACTORY and BOILER HOUSE—Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 2 story and basement, 121 x 221 ft., brick and rein.-con., here, to Mitzel-Shields, B. F. Keith Bldg., for P. C. Tomson & Co., 27 Washington St., Phila., Pa. Archts. est. $150,000. Noted June 24.

O., Painesville — BOILER HOUSE and LAUNDRY—Lake Erie College for Women, 1 and 2 story, 50 x 86 ft., brick, steel and concrete, to S. M. Highey, Plymouth Bldg., Cleveland. Archts. est. $40,000.

Ind., Elkhart — FACTORY — Absolute Contg. Co., 1 story, 106 x 208 ft., brick and steel factory, to A. I. Longacre, 433 Monger Bldg. $70,000. Noted May 27.

Ind., Ft. Wayne — FACTORY — Pigeon Millinery Co., general contract 3 story and basement, 55 x 140 ft., brick and steel factory, to O. Springer, 1525 Crescent St. Archts. est. $60,000. Noted July 8.

Ind., Ft. Wayne—STORAGE—Indiana Service Corp., general contract, brick, steel and rein.-con. storage building, to Buesching & Hagerman, 402 East Superior St. Archts. est. $100,000.

Tex., Houston—BAKERY—Schotts Bakery, c/o F. Schott, 1, 2 and 3 story, irregular shaped rein.-con. and tile addition, Washington Ave., to J. B. Townsend, 542 West Bldg., $57,700. Archts. est. $60,000.

Ind., Indianapolis — FACTORY—Central States Envelope Co., East Washington St. and Sherman Dr., general contract 2 story, 80 x 150 ft., factory, to J. W. and W. C. Martin, 3551 Carrolton Ave. Archts. est. $50,000. Noted July 1.

Ind., Indianapolis—FACTORY—Building Corp., I. M. Holmes, pres., Amer. Central Life Bldg., general contract 3 story and basement, 58 x 125 ft., brick, steel and rein.-con., North Meridian St. near Pratt St., to E. C. Strathman, 712 Meyer Kiser Bank Bldg. Archts. est. $100,000. Noted July 1.

Ind., Lafayette—STORAGE—Shurman & Lange Co., general contract 1 story, 65 x 127 ft., building, to Eckerman & Ruddell Constr. Co. Archts. est. $80,000. Noted July 8.

Ill., East Moline—POWER PLANT and FOUNDRY—Deere & Co., Moline, 1 story, 81 x 135 ft., concrete and brick power plant, incl. 3 large coal bunkers, and 2 story, 100 x 120 ft., rein.-con. and steel foundry, to J. H. Hunzinger, Security Bldg., Davenport, Ia. Archts. est. $150,000.

Ill., Galesburg — FOUNDRY — T. W. Petersen, 563 North Academy St., rebuilding 50 x 50 ft., 30 x 70 ft. and 25 x 80 ft., rein.-con. and brick foundry, etc., plain foundations, South Chambers St., recently destroyed by fire, to M. E. Sweeney, 870 East Main St. Midwest Fdry. Co., 257 South Chambers St., lessee.

Ill., Galesburg — FACTORY — Coulter-Dise. Co., Monmouth Bldg., R. C. Ingersoll, pres., 1 story, 48 x 50 ft., and 145 x 145 ft., rein.-con., brick and steel, plain foundation,

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to Austin Co., 160 North La Salle St., Chicago, Ill.

Wis., Marshfield — COLD STORAGE WAREHOUSE—Wisconsin Cheese Producers Federation, Plymouth, 2 story and basement, 80 x 150 ft., brick and concrete, plain foundation, here, to F. A. Felhofer, 700 East 4th St. Archts. est. $60,000.

Wis., Milwaukee — FACTORY — Badger Paint Stores, 337 3rd St., 2 and 4 story, 62 x 100 ft., brick and concrete, plain foundation, State St., to H. Schmitt & Son, 14 Burleigh St. Archts est. $60,000.

Wis., Two Rivers—GAS PLANT—Wisconsin Public Service Corp., 559 Marshall St., Milwaukee, 2 story, brick and steel, plain and wood pile foundation, here, to Western Gas Constr. Co., Fort Wayne, Ind. Archts. est. $200,000.

Wis., Wausau — FACTORY — Hammer Blow Tool Co., 602 3rd St., 2 story, 40 x 70 ft., brick and timber, plain foundation, to F. Seefeldt, 612 Fulton St. Archts. est. $40,000. Noted June 17.

Tex., Val Verde—CANNING FACTORY—Val Verde Industries, c/o H. P. Hansen, pres., 1 story and basement, 100 x 100 ft., tile and stucco, to T. L. Hopper, Post-Dispatch Bldg., Houston, $100,000 cost plus percentage basis.

Tex., Val Verde — REFRIGERATING PLANT—Val Verde Industries, c/o H. P. Hansen, pres., 1 story, 100 x 150 ft., brick, tile and stucco, incl. plumbing, etc., to T. T. Hopper, Post Dispatch Bldg. Houston, $150,000 cost plus percentage basis.

Calif., Glendale — BAKING PLANT — Weber Baking Co., 5820 San Pedro St., Los Angeles, 2 story and basement, 100 x 150 ft., stone tile baking plant, to B. Farley, Burbank, $150,000.

Calif., Gleadale — BAKING PLANT — Weber Baking Co., 5823 Crocker St., Los Angeles, 2 story and basement, 100 x 150 ft., stone tile, San Fernando Rd. at Linden St., to B. Farley, 205 East San Fernando Rd., Burbank, $150,000.

Calif., Los Angeles—BOX FACTORY and WAREHOUSE—Amer. Can Co., 4815 Santa Fe Ave., will build 2 story, 150 x 660 ft., rein.-con. factory-warehouse, and 1 story, 125 x 150 ft. factory, 49th St. and Santa Fe Ave., by day labor. To exceed $500,000. W. T. Fleming, c/o owner, engr.

Que., Limoilou — SHOP — Quebec Power Co., constructing work shops, 200 x 387 ft., to J. Shearer Co., Ltd., St. Patrick St., Montreal. $216,000.

Ont., Niagara Falls—FACTORY—Niagara Wire Weaving Co., Robinson St., general contract 2 story, concrete, brick and steel addition, to Smith Bros. Constr. Co., 1740 Ellen Ave. Archts. est. $60,000.

Ont., Oshawa—SERVICE—General Motors Ltd., 90 x 690 ft., sales and service building, to W. H. Yates Constr. Co. Ltd., Toronto, $200,000.

Ont., Toronto — PRESS — University of Toronto, Queens Park, 2 story and basement, rein.-con., brick and steel addition, plain foundation, Queens Park, to A. R. Holmes Ltd., 6 Hayden St. Archts. est. $150,000. Noted June 3.

Ont., Toronto—ROUND HOUSE—Terminal Engineer Canadian Natl. Rys., New Union Sta., general contract, buildings for engine and car facilities, to Anglin Norcross Ltd., Temple Bldg.; structural steel, to McGregor & McIntyre, 1139 Shaw St.; and plumbing, to Sheppard & Abbott, 119 Harbord St. Engrs. est. $300,000. Noted Apr. 15.

Ont., Toronto—CONDENSER BUILDING—Consumers Gas Co., 19 Toronto St., concrete, brick and steel, condenser building, to Wells & Gray, Confederation Life Bldg. Engrs. est. $90,000.

Ont., Toronto — LAUNDRY — Ontario Laundry Co., 95 Edward St., general contract, rein.-con., brick and steel, Dundas and Berkeley Sts., to E. Eyre, 58 Deloraine Ave. Engrs. ets. $35,000.

Buildings—Educational, Religious

Proposed Work

Me., Bangor—SCHOOL—St. Johns Roman Catholic Church, takes bids after Aug. 20, 3 story and basement, 150 x 300 ft., brick, plain foundation, York St. $180,000. O'Connell & Shaw, 134 Newbury St., Boston, Mass., archts.

Mass., Medfield—HIGH SCHOOL—Town, c/o A. Kingsbury, chn. School Bd., having plans prepared by Bigelow & Wadsworth, 3 Hamilton Pl., Boston, 2 story and basement, brick and stone, plain foundation. $150,000.

Mass., Somerville (Boston P. O.)—HIGH SCHOOL—City, L. M. Conwell, mayor, plans brick addition to English High School, Highland Ave. $200,000. Engineer and architect not selected.

R. I., Woonsocket — HIGH SCHOOL — City, School Dept., having sketches made by W. F. Fontaine, Junior High School, 2 story and basement, brick and stone. To exceed $150,000.

N. Y., Buffalo—CONVENT—Dominican Sisters, Doat St., plan convent, Doat St. $150,000.

N. Y., East Aurora—CHURCH—East Aurora Methodist Congregation having plans prepared by C. Bolton & Son, Schaff Bldg., Phila., Pa., Church, Main and Center Sts. $150,000.

N. Y., New York—SYNAGOGUE—Congregation B'Nai Jeshurun, c/o H. B. Herts, archt., 25 West 34th St., having plans prepared 9 story, West 89th St. $250,000. L. A. Abramson, 46 West 46th St., associated archt. Noted July 1.

N. J., Trenton—CHURCH—Sts. Peters and Paul's Church, C. G. Tomchany, pastor, plan church, 2nd and Cass Sts. $200,000. Engineer and architect not selected.

Pa., Pittstburgh—COLLEGE—Duquesne University, Bluff St., having plans prepared by A. F. Link, 107 North Craig St., 5 story and basement, 60 x 140 ft., brick, steel, concrete and limestone, Locust St. $500,000.

Pa., Tyrone—CHURCH—Tyrone Presbyterian Church having plans prepared by Martin Orr & Martin, 190 East North Bway., Columbus, O., 1 and 2 story and basement, irregular shaped, brick, steel and limestone church. $150,000.

Pa., Waynesburg — HIGH SCHOOL — Bd. Educ. having plans prepared by J. H. Phillips, Wabash Bldg., Pittsburgh, 2 story and basement, brick, hollow tile and steel high school. $250,000.

Md., Baltimore — CHURCH — St. Philip and St. James Roman Catholic Church, J. E. Wade, pastor, 27th and Charles St., having plans prepared by T. W. Pietsch, Amer. Bldg., 1 story and basement, 125 x 170 ft., rein.-con., stone and steel, plain foundation, 29th and Charles St. $500,000. H. F. Deeleman, 507 North Charles St., engr.

D. C., Wash.—HIGH SCHOOL—Dist. Comr., District Bldg., takes bids about Aug. 31, Langley Junior High School, addition, T St. near 2nd St. N. E. A. L. Harris, municipal archt.

Miss., Jackson — CHURCH — Capitol Street Methodist Congregation, E. G. Flowers, chn. Building Com., c/o Enochs & Flowers, Ltd., making preliminary plans 2 story, concrete, brick and stone church, Capitol St. $500,000.

Tenn., Chattanooga — SCHOOLS — Election Sept. 2, $420,000 bonds, schools.

Tenn., Nashville—CHURCH—West End Methodist Church, 16th St. and West End Ave., purchased site and plans church 23rd St. and West End Ave. $500,000. Engineer and architect not selected.

O., Cleveland — HIGH SCHOOL — Bd. Educ., F. G. Hogen, dir., having plans prepared by G. M. Hopkinson, Auditorium Garage Bldg., Alexander Hamilton Jr. High School, 3 story and basement, 160 x 292 ft., brick, steel and concrete, East 131st St. $800,000.

O., Lakewood (br. Cleveland)—SUNDAY SCHOOL—Grace Presbyterian Church, E. E. House, pastor, 1583 Northland Ave., Cleveland, having plans prepared by W. G. Caldwell, B of L. E. Bank Bldg., Cleveland, 2 story, brick, steel and concrete, Hilliard Rd. and Rosewood Ave., here. $150,000.

Ind., Indianapolis — COLLEGE — Butler College, University and Butler Aves., had plans prepared by Daggett & Hibben, 922 Continental Bldg., and soon takes bids 190 x 500 ft., brick, steel and rein.-con. college. $1,000,000. Noted Mar. 11.

Mich., Iron River—HIGH SCHOOL—Bd. Educ., H. Larson, pres., soon takes bids 3 story and basement, 130 x 200 ft., rein.-con., brick and tile, plain foundation. $300,000. J. N. Churchill, 514 Oakland Bldg., Lansing, archt.

Mich., L'Anse—HIGH SCHOOL—Voted $300,000 bonds, 3 story and basement, brick, tile and concrete, plain foundation, for Bd. Educ. Noted July 29.

Mich., Kingsford Heights (Iron Mountain P. O.)—HIGH SCHOOL—Bd. Educ., Breitung Twp., J. Roth, secy., had plans prepared by F. E. and G. F. Parmelee, Iron Mountain, 3 story and basement, 112 x 114 ft., rein.-con., brick and tile addition to Junior High School, plain foundation. $200,000.

Buildings—Educational, Religious (Cont.)

Ill., La Grange—SCHOOL—Lyon Twp. Bd. Educ., L. Vaughn, chn., had plans prepared by J. C. Llewellyn, 38 South Dearborn St., Chicago, 3 story and part basement, 180 x 180 ft., concrete, brick and stone, Cassett and Brainard Sts. $350,000.

Ia., Cedar Rapids—SCHOOL—Immaculate Conception Parish, J. J. Toomey, pastor, having preliminary plans prepared 4 story and basement, 125 x 198 ft., concrete, brick and stone, 3rd and 10th Aves. E. $250,000.

Minn., Brainerd — SCHOOL — Election Nov. 2, $250,000 bonds, school, here, for Bd. Educ. $300,000.

S. D., Aberdeen—SCHOOL—Bd. Educ. having plans prepared by C. F. Fossum, Aberdeen, 2 story and basement, 71 x 200 ft. school, $170,000; also 1 story and basement, 80 x 112 ft. addition, $50,000, both rein.-con., brick and stone. Noted June 27.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., soon takes bids 2 story and basement, 12 room, rein.-con., brick and stone addition, Susan R. Buder School, 5319 Landsdowne Ave. $150,000. R. M. Milligan, comr. of board, engr. and archt.

Ark., Pine Bluff—SCHOOL—State Bd. Educ., Little Rock, having preliminary plans prepared building for Negro State Agricultural, Mechanical & Normal School, here. $450,000. General Bd. Educ., 500 Park Ave., New York City, donated $150,000 for same, and balance to be raised at once.

Tex., Dallas — CHURCH — Oak Cliff Church of Christ, c/o Pastor, having plans prepared by T. J. Galbraith, Dallas, brick and stone church, 10th and Van Buren Sts. $150,000.

Tex., Houston—SCHOOL—Bd. Educ., c/o H. L. Mills, 118 Yoakum Ave., had plans prepared by J. Finger, Keystone Bldg., Fullerton School, 2 story, rein.-con., brick and tile. $150,000. H. D. Payne, Houston, superv. archt.

Tex., Sweetwater—HIGH SCHOOL—Bd. Educ., c/o Secretary, having plans prepared by Page Bros., Austin Natl. Bank Bldg., Austin, brick, steel, stone and rein.-con. high school. $175,000. Noted June 24.

California—COLLEGE—Trinity Lutheran Church, E. M. Stensrud, pastor (interested) 2222 Howard St., San Francisco, purchased site and plans college buildings. $2,000,000.

Calif., Claremont — COLLEGE — Scripps College for Women, plans group fireproof buildings. G. B. Kaufmann, Union Bank Bldg., Los Angeles, archt. $150,000 or more.

Ont., Bridgeburg—HIGH SCHOOL—Bd. Educ., A. L. Current, chn., having plans prepared by J. U. Collins, Bridgeburg, 2 or 3 story and basement, concrete, brick, steel, stone and tile, high school. $150,000-$200,000.

Ont., Ottawa—SCHOOL—Bd. Educ., C. Bethune, secy., Central Chambers, plans 2 or 3 story and basement, rein.-con., brick and steel, plain foundation, addition to Glebe Collegiate Institute, $250,000. Engineer and architect not selected.

Bids Desired

Mass., Dartmouth — HIGH SCHOOL — Town, School Com., taking bids 2 story and basement, 70 x 180 ft., brick and stone, plain foundation. To exceed $150,000. Brown & Poole, 668 Pleasant St., New Bedford, archts. Noted June 10.

Mass., Fall River—CHURCH—Baptist Temple Church, A. R. MacDougal, pastor, taking bids 1 story and basement, brick and stone, plain foundation, 205 Main St. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts.

Mass., Fall River—SCHOOL—City, City Auditor's Office, taking bids 2 story and basement, brick and stone, plain foundation, Bay St. $150,000. R. C. Sturgis, 120 Boylston St., Boston, archt.

Mass., Framingham — CHURCH — Grace Congregational Church, T. B. Lathrop, pastor, taking bids brick, stone and granite, Pearl St. and Union Ave. $200,000. Newton & Wambolt, 6 Beacon St., Boston, archts. Noted Apr. 29.

Mass., Mattapan (sta. Boston)—SCHOOL—Dorchester & Mattapan Hebrew School, c/o S. S. Levy, archt., 35 Court St., Boston, taking bids 3 story and basement, 160 x 180 ft., brick and stone, Morton St., here. $400,000. Noted June 17.

Mass., Peabody—SCHOOL—City, c/o J. H. Bickford, archt., 6 Beacon St., Boston, taking bids 2 story and basement, 70 x 120 ft. brick and stone, Bowditch Dist., here. $150,000.

Mass., Peabody—SCHOOL—St. Josephs Juniorate of the Xaveries c/o M. Sullivan, archt., 100 Boylston St., Boston, taking bids 2 story and basement, 75 x 146 ft., brick, stone and terra cotta, plain foundation, Oak Hill, here. $150,000.

Mass., Sudbury—HIGH SCHOOL—Town, School Bd., taking bids 2 story and basement, brick and stone, plain foundation. King Phillip Rd. $150,000. R. C. Sturgis, 120 Boylston St., Boston, archt.

R. I., Warren—SCHOOL—St. John the Baptist Church, A. Pease, pastor, taking bids 1 story and basement, brick and stone, plain foundation. $150,000. O'Malley & Fitzsimmons Co., Fanning Bldg., Pawtucket, archts.

Conn., Darien—HIGH SCHOOL—Aug. 18, by School Building Com., W. F. Irving, chn., 2 story and basement, brick and steel, Post Rd. $300,000. Starrett & Van Vleck, 393 7th Ave., New York City, archts. Noted Dec. 17.

Conn., Hartford — CHURCH, etc. — St. John's Parish, W. T. Hooper, pastor, taking bids brick and stone church and parish house addition, Farmington Ave. $150,000. B. Goodhue, 2 West 47th St., New York City, archt. Noted Jan. 21.

Conn., Hartford — SYNAGOGUE — Agudud Achim Congregation, D. Traub, chn., taking bids 3 story, brick, natural stone and steel, Oakland Terrace. $200,000. Golden Storrs & Co., 983 Main St., archts. Noted Apr. 8.

Conn., New Britain—SCHOOL—Aug. 9, by City, J. M. Halloran, chn., 2 story and basement, 100 x 225 ft., rein.-con., brick and steel, plain foundation, Vance, Shuttel and Meadow Aves. $325,000. Warren-Holmes-Powers Co., 64 West Randolph St., Chicago, Ill., archts. Noted July 8.

N. J., Gloucester—HIGH SCHOOL—Aug. 20, by Bd. Educ., A. H. McHenry, secy., 32 North Berlin St., 3 story and basement, 35 x 135 ft., rein.-con., brick and steel, plain foundation, $275,000. Edwards & Grey, 548 Federal Bldg., Camden, archts. Noted Apr. 1.

N. J., New Brunswick—RECITATION—Aug. 10, by Bd. Institutions & Agencies, State Bldg., Trenton, 3 story, brick and steel, at College for Women, here. $250,000. C. N. Leathem, Jr., Trenton, state archt.

N. J., Princeton—COLLEGE—Princeton University, c/o Cram & Ferguson, archts., 248 Boylston St., Boston, Mass., taking bids 3 story and basement graduate college building extension, here. $150,000.

Md., Laurel—SCHOOL—Aug. 11, by Dist. Comrs., District Bldg., training school.

O., Akron—SCHOOL—Aug. 13, by Bd. Educ. H. V. Hotchkiss Grade School, 3 story and basement, 84 x 157 ft., brick, terra cotta and steel, Norton St. $210,000. M. M. Konarski, Central High Bldg., engr. and archt.

O., Belmont (Dayton P. O.)—SCHOOL—Aug. 16, by C. Powell, clk. Bd. Educ., Van Buren Twp., R.R. 12, Dayton, 2 story and basement, brick and rein.-con., plain foundation. $225,000. Walker & Norwick, Amer. Bldg., Dayton, archts.

O., Columbus—SCHOOL—Aug. 16, by Bd. Educ., E. L. McCune, clk., 2 story and basement, 150 x 170 ft., brick, stone and rein.-con., McGuffy Pike. $185,000. H. D. Smith, 270 East Town St., archt.

O., Painesville — MUSIC BUILDING — Lake Erie College for Women, taking bids 2 story and basement, 59 x 147 ft., brick, steel and concrete music building. $175,000. A. Garfield, Natl. City Bldg., Cleveland, archt.

Mo., St. Louis—SCHOOL—Sts. Mary and Joseph Parish, c/o M. S. Brennar, pastor, 6310 Minnesota Ave., taking bids 2 story and basement, 100 x 110 ft., brick, concrete and stone school and auditorium, Kansas and Minnesota Sts. $150,000. Kennerly & Stiegemeyer, Title Guaranty Bldg., archts.

Calif., Berkeley—CHURCH—H. G. Simpson, archt., Call Bldg., San Francisco, taking bids (2nd and 3rd units) brick, Dana and Bancroft Sts., for Owner, S. Smith, chn. building com. $150,000.

BRIDGE—WASHINGTON

Bids were opened by State Highway Comn., Olympia, for constructing bridge over Columbia River at Vantage Ferry on State Rd. No. 7, Grant and Kittitas Counties, (A) Kuckenberg & Wittman Co., 226 Board of Trade Bldg., Portland, Ore., (awarded contract); (B) A. Guthrie & Co., 552 Sherlock Bldg., Portland; (C) Puget Sound Bridge & Dredging Co., 811 Central Bldg., Seattle; (D) Foundation Co., 120 Liberty St., New York. The unit bids are as follows:

	A	B	C	D
700 cu.yd. structure excavation, class A	$30 00	$15.20	$13.00	$21 00
3,800 cu.yd. structure excavation, class B	20 50	15.20	12.50	12 60
3,850 cu.yd. structure excavation, class C	6 50	7.85	7.00	10 30
2,225 cu.yd. concrete, class A, in place	24 75	32.50	31.00	63 25
450 cu.yd. concrete, class B, in place	14 25	26.80	30.00	51 55
6,600 cu.yd. concrete, class C, in place	12 50	15.00	14.00	23 65
1,375 cu.yd. concrete, class E, in place	12 40	15.00	20.00	19 75
505,000 lb. reinforcing steel, in place	.051	.05	.06	062
2,930,000 lb. structural steel, in place	.0825	.0795	.085	0783
3,400 lb. bronze exp. bearings, in place	.65	.54	.65	77
53,000 lb. cast steel shoes, in place	.20	.18	.15	1755
550 M.B.M. timber and plank, in place	115.00	115.00	134.00	212 00
Extended totals	$628,496	$635,431	$649,135	$838,659

Calif., San Pedro—SCHOOL—Aug. 11, by Bd. Educ., 2 story and basement, 90 x 245 ft., brick school, Cabrillo Ave. $150,000. Noted Apr. 8.

Ont., Toronto—SCHOOLS—Aug. 6, by W. W. Pearse, 155 College St., 8 room addition Bruce School, incl. heating, plumbing, etc., iron fencing Gledhill School, $175,000. C. E. Dyson, 155 College St., archt.

Bids Received

Mass., Foxboro—HIGH SCHOOL—Town, B. B. Bristol, chn. building com., July 22, 2 story and basement, brick and stone, plain foundation, from J. A. Munroe, North Attleboro, $118,800. Noted July 22.

Conn., New Haven—HIGH SCHOOL—City, R. B. Hall, City Hall, Junior High School, 3 story and basement, brick, plain foundation, Grand Ave. and Exchange St., from Loukes & Clark Co., 6 Ernest St., Wallingford, $263,000. Noted July 15.

N. Y., Bayport — SCHOOL—Bd. Educ., July 30, brick, steel and stone, plain foundation, from Nelson & Caulkins, 81 East 125th St., New York City, $159,300. Noted Apr. 29.

N. Y., Little Neck (mail Douglaston)—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 94, Old House Landing Rd., here, from L. J. Rice, 78 19th St., Brooklyn, for Bd. Educ., 500 Park Ave., New York City, $149,423. Noted July 15.

N. Y., Pelham (Ind. br. New York) — SCHOOL—Bd. Educ., July 26, general contract Colonial School, Union Free School Dist. 1, from W. A. Berbusse, Jr., Puritan Dr., Port Chester, $159,500; heating, from Heller Heating Co., 17 West 14th St., New York City, $29,700. Noted July 15.

Ky., Covington—SCHOOL—Bd. Educ., 3 story and basement, rein.-con. and brick, plain foundation, Madison St., from Northcutt Bros., 639 Nelson Pl., Newport, $361,764. Noted June 17.

Minn., Minneapolis — SCHOOL — Bd. Educ., 305 City Hall, July 22, general contract 3 story and basement, rein.-con., brick and stone, 43rd Ave. N. between Morgan and Newton Aves., from M. Madsen Co., 702 Natl. Bldg., $128,790; alternate $105,500. Noted July 8.

Calif., Los Angeles—HIGH SCHOOL—Brea-Olinda High School Dist., general contract high school, from J. P. Steele, 4714 South Western Ave., $220,000.

Contracts Awarded

Me., Augusta — HIGH SCHOOL — City, Bd. Educ., 3 story and basement, 95 x 150 ft., brick and stone addition, plain foundation, to H. Purington, 64 Temple St., Waterville. Archts. est. $175,000. Noted July 22.

Me., South Berwick — SCHOOL — St. Michaels Parish, 2 story and basement, 65 x 130 ft., brick and stone, plain foundation, to H. Plante & Son, 39 Scammon St., Saco. Archts. est. $150,000. Noted July 1.

Mass., Charlestown (Boston P. O.) — HIGH SCHOOL—City, Schoolhouse Dept., City Hall, Boston, 2 story and basement, brick and stone, plain foundation, here, to J. Bowen Co., 184 Dudley St., Roxbury. Archts. est. $150,000.

Mass., Concord — NURSES HOME — Emerson Hospital, 2 story and basement, brick and stone, to Perkins & Wells, Concord. Archts. est. to exceed $150,000. Noted June 10.

Mass., Duxbury — HIGH SCHOOL — Town, S. Soule, chn. com., 2 story and basement, brick and stone, plain foundation, to J. P. Keating, 80 Boylston St., Boston. Archts. est. $150,000. Noted July 8.

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Buildings—Educational, Religious (Cont.)

Mass., Middletown — SCHOOL — Town, School Bd., 2 story and basement, brick and stone, plain foundation, to S. L. Pearson, Old South Bldg., Boston. Archts. est. $150,000. Noted June 17.

R. I., Central Falls (Ind. br. Pawtucket) —HIGH SCHOOL—City, Bd. Educ., 2 story and basement, brick and stone addition, plain foundation, to Rowley Constr. Co., 260 Central Ave., Pawtucket, $183,400. Noted July 15.

R. I., Providence—HOME—The Church House, 144 South Main St., 3 story and basement, brick, Wickendon St., to O. D. Purington & Co., Industrial Trust Bldg. Archts. est. $150,000.

R. I., Woonsocket — CONVENT — Jesus Mary Convent, Carrington Ave., 2 story and basement, brick and stone, plain foundation, Carrington Ave. and Greene St., to Bouvier-Brien Constr. Co., 189 Sayles St. Archts. est. $150,000. Noted July 1.

Conn., New Haven—HIGH SCHOOL—F. H. Beale, supt. schools, Junior High School, brick, art stone and steel, Shelton Ave. and Bassett St., to Lonks & Clarke, Wallingford, $270,967.

N. Y., Albany—ADMINISTRATION and COLLEGE—Albany Medical College, 9 story administration, and 5 story medical college buildings, rein.-con. and brick, to Feeney & Sheehan, 164 Montgomery St. $750,000.

N. J., Camden — SCHOOL — Holy Name Roman Catholic Church, J. Whelen, pastor, 3 story and basement, 70 x 125 ft., steel and stone, plain foundation, 5th and Vine Sts., to G. W. Shaner, Palmyra. Archts. est., $175,000. Noted July 1.

Pa., Phila.—SCHOOL and DORMITORY —Sisters of St. Joseph,, Germantown and Summit Aves., 2 story and basement, 56 x 108 ft., rein.-con., stone and steel, plain foundation, Germantown and Summit Aves., to J. McShane, 1713 Sansom St.

Pa., Wilkinsburg (Ind. br. Pittsburgh)— SCHOOL—Bd. Educ., general contract 3 story and basement, 125 x 150 ft., brick on hollow tile, to Pittsburgh Contg. & Eng. Co., Rebecca St. $212,000; and heating, to F. E. Geisler & Co., 424 1st Ave., Pittsburgh, $32,620. Noted July 22.

Md., Baltimore—CONVENT—Convent of Our Lady of St. Francis, Maryland Ave. and 23d St., 3 story and basement, irregular shaped, brick and steel, plain foundation, Maryland Ave. and 23rd St., to Frainie Bros. & Haigley, 19 West Franklin St., $150,000.

O., Cincinnati — SCHOOLS — Bd. Educ., Denton Bldg., Hyde Park School, to Strauss Building Co., 3160 Reading Rd., $149,894; and Western Hills School, Bridgetown Pk., to D. Meinken & Son, Barnard St., $890,000, both 3 story and basement, brick, rein.-con. and plain foundations.

Ind., Bloomington — SCHOOL — School Trustees, brick, steel and rein.-con. gymnasium, vocation shops, exposition hall, to C. A. Pike, 311 East Kirkwood St. Archts. est. $150,000. Noted June 3.

Ind., Indianapolis — SCHOOLS — Bd. School Comrs., 150 North Meridian St., general contract Grade School 14, 1400 East Ohio St., to Service Constr. Co., Castle Hall Bldg.; Grade School 33, Sterling and 12th Sts., to S. A. Hickman, Martinsville; also Grade School 72, Troy and Carson Aves., to W. P. Jungclaus, 825 Massachusetts Ave., all brick, steel and rein.-con. Archts. est. $150,000 each. Noted July 8 and 22.

Ill., Eureka—HIGH SCHOOL—Eureka Twp. Bd. Educ., W. D. Madison, pres., general contract 3 story, 127 x 155 ft., rein.-con., brick and stone, to Harshberger & Harshman, Sullivan, $141, 477. Noted July 15.

Ia., Bedford — HIGH SCHOOL — Bd. Educ., general contract, 2 story, 117 x 182 ft., rein.-con. and brick, to Spencer Constr. Co., Spencer, $122,776. Noted June 24.

Ia., Des Moines—CHURCH—St. Johns Parish, M. S. McNamara, pastor, 1915 University Ave., 1 story and basement, 81 x 139 ft., concrete, brick and stone, 20th St. and University Ave., to C. Weitz & Son, 713 Mulberry St. Archts. est. $150,000.

Minn., Duluth—COLLEGE, etc.—State Bd. Educ., St. Paul, c/o Secretary, rein.-con. and brick teachers college and addition, incl. remodeling auditorium, etc., plain foundation, 23rd Ave. E. at 5th St., to R. J. McLeod Co., 505 Builders Exch. Bldg., $174,067.

Ill., Evanston—FRATERNITY HOUSES —Granger, Lowe & Bollenbacher, archts., 332 South La Salle St., Chicago, fourteen 2 story and basement, 42 x 100 ft., rein.-con., brick and stone fraternity houses on campus, here, to M. P. Tilley, Inc., 844 Rush St., Chicago, for Northwestern University. Archts. est. $60,000-$80,000 each. Noted Apr. 22.

Mo., St. Louis—HIGH SCHOOL—Bd. Educ., 911 Locust St., general contract remodeling Central High School, 3 story and basement, rein.-con., brick and hollow tile, Grand Blvd., to W. MacDonald Constr. Co., Syndicate Trust Bldg., $178,327.

Calif., Los Angeles—SCHOOL—Bd. Educ., general contract, Riis Boys' Opportunity School, fireproof construction, to J. P. Steele, 4714 South Western Ave., $160,000. Noted July 22.

Calif., Pasadena — GYMNASIUMS — Bd. Educ., general contract, 3 gymnasium buildings at Washington, McKinley and Marshall Junior High Schools, to B. F. Farley, Victory Bldg., Burbank. $139,889. Noted July 1.

Calif., San Francisco—HIGH SCHOOL— City and San Francisco Co., general contract Mission Jr. High School, to R. W. Moller, Call Bldg., $742,500; electrical work, to Alta Electric Co., 367 Golden Gate Ave., $39,875; plumbing, to Latourette-Fical Co., 2612 9th St., Berkeley, $57,900; and heating, to Scott Co., 243 Minna St., $56,480. Noted July 29.

Ont., Stratford—SCHOOL—Bd. Educ., altering and constructing 3 story and basement, 16 room, rein.-con., brick and steel addition to Collegiate Institute, plain foundation, incl. steam heating and ventilation, to Avery-Shipp Constr. Co., 195 Quebec Ave., Toronto. Archt. est. $175,000. Noted May 20.

Ont., Toronto — CHURCH — Corpus Christi Roman Catholic Church, general contract 2 story and basement, 850 seating capacity, rein.-con., brick and stone, plain foundation, Queen St. E., to Witchall & Sons, 156 St. Helens Ave. Archts. est. $150,000. Noted Jan. 14.

Ont., Toronto — HIGH SCHOOL — Bd. Trustees York Twp., York High School, C. E. Webster, secy., 93 Guestville Ave., Mount Dennis, masonry and excavating contract for high school, to Holtby Bros., Hepbourne St., $60,600; carpentry work, to F. Markham, 1104 Bay St., $13,824; heating and plumbing, to R. Jordan, 37 Hazelton Ave., $42,400. Grand total $134,824. Noted June 3.

Federal Government Work

Proposed Work

D. C., Wash.—Office—Treas. Dept. having plans prepared by J. A. Wetmore, c/o owner, office buildings for Dept. Commerce, Mall, South B, 12th and 14th Sts. $10,000,000.

D. C., Wash.—Archives—Treas. Dept. having plans prepared by J. A. Wetmore, c/o owner, national archives building 11th, 12th, B and C Sts. $6,900,000.

D. C., Wash.—Office—Treas. Dept. having plans prepared by J. A. Wetmore, c/o owner, internal revenue office building, B St. between 10th and 12th Sts. $8,000,000.

Missouri and Minnesota—Cargo Barges—Inland Waterways Corp., Wash., D. C., rejected bids 15 steel cargo barges, for Upper Mississippi River Barge Line. Will readvertise. Noted June 10.

Bids Desired

Mass., Boston—Piers—Spec. 5241—Aug. 11, by Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling 3 wooden piers at U. S. Navy Yard, here.

Mass., New Bedford—Remodeling—Aug. 9, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Court House and Post Office, here.

Pa., Phila.—Remodeling—Aug. 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office and Court House, here.

Va., Petersburg—Remodeling—Aug. 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here.

O., Dayton—Foundations, etc.—Aug. 10, by Constructing Quartermaster, Wright Field, concrete foundations for assembly building, and superstructure, steel, brick and concrete warehouse, at Wright Field, here.

Wis., Milwaukee—Lockhouse—Sept. 3, by U. S. Engineer Office, lockhouse at Cedars Lock, on Fox River; adv. E. N.-R. Aug. 5.

Wis., Stevens Point—Remodeling—Aug. 13, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling post office, here.

Mo., Lexington—Dikes—Aug. 16, by U. S. Engineer Office, St. Louis, 2,200 lin.ft. clump dikes on Missouri River, near here.

Idaho—Turbine, etc.—Sept. 1, by Bureau Reclamation, Dept.-Interior, Denver, Colo., 1 hydraulic turbine delivering 3,500 hp. when operating at 47 ft. head, one 3,000 kva. generator, four 1,000 kva. transformers, switching apparatus, and four [illegible],000 v. oil circuit breakers for Minidoka Power Plant, Minidoka Project, here. E. Mead, comr.; adv. E. N.-R. Aug. 5.

Bids Received

N. Y., Northport—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., general contract U. S. Veterans Hospital group, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $2,[illegible]965; plumbing and heating, from Inland Eng. Co., Hammond, Ind., $245,250 and $22,156 respectively; electrical work, from Electrical Contg. Co., 844 Rush St., Chicago, Ill., $96,400; oil tank and burners, from Todd Drydock & Repair Co., 25 Bway., New York City, $34,500; refrigerating and ice making plant, from Shipley Constr. & Supply Co., 42nd St. and 2nd Ave., Brooklyn, $34,872; radial brick chimney, from M. W. Kellogg, 7 Dey St., New York City, $9,748; elevators, from S. Heller Elevator Co., 250 Milwaukee St., Milwaukee, Wis., $18,348. Noted June 10.

Mich., Saginaw—Driveway—Treas. Dept. at office Supervising Archt., Wash., D. C., July 22, from G. E. Tillman, Centralia, Ill., $5,947. Noted July 8.

Ia., Iowa City—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, from J. H. Hunzinger & Co., Inc., Iowa City, $14,340. Noted July 8.

Missouri—Current Retards—U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 1,200 ft. standard current retards in Missouri River, near Bakers Bend, from Wood Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $63,600.

Mo., St. Louis — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Custom House, here, from G. Griffiths Constr. Co., 705 Olive St., $47,226.

Idaho, American Falls—Bridge—Bureau Reclamation, Denver, Colo., concrete and steel highway bridge, from Lynch-Cannon Eng. Co., Dooly Bldg., Salt Lake City, Utah, $90,950.

Contracts Awarded

R. I., Providence—Breakwater—U. S. Engineer Office, repairing breakwater at Point Judith Harbor, to Merritt, Chapman & Scott Corp., 17 Battery Pl., New York City, N. Y., $62,600. Noted June 24.

N. Y., Brooklyn—Extracting and Purifying System—Spec. 5220—Bureau Yards & Docks, Navy Dept., Wash., D. C., oil extracting and purifying system at Naval Yard, here, to Permutit Co., 440 4th Ave., New York City, $4,568. Noted July 22.

N. J., Newark—Rock Removal—U. S. Engineer Office, 2nd Dist., Army Bldg., New York City, removing rock and overburden in Newark Bay, here, to New Jersey Shipbuilding & Dredging Co., 50 Broad St., New York City, $596,820. Noted July 22.

Pa., Pittsburgh—House—U. S. Engineer Office, 2 story, lockkeeper's house, at Elmsworth Dam, Ohio River, here, to P. Sinnotts Sons, 2801 Perrysville Ave., $14,898. Noted July 15.

Pa., Pittsburgh—Dam—U. S. Engineer Office, Dam 5, in Allegheny River, to Dravo Contg. Co., Dravo Bldg., $485,884. Noted July 8.

Pa., Pittsburgh—Houses—U. S. Engineer Office, two 2 story lockkeepers' dwellings at Lock 4, Allegheny River, to F. W. Elkas, Tarentum, $17,507. Noted July 15.

Miss., Vicksburg — Levee — Mississippi River Dist. Comn., P. O. Box 404, 160,000 cu.yd. dredging in Lakes Buelah and Vermillion, and 5,000 cu.yd. Brunswick levee extension, to R. T. Clark Co., Inc., J. W. Noble and R. P. Harris, Natchez, $59,200 and $134,500 respectively; 180,000 cu.yd. levee at Warfield Point, to Sternberg Dredging Co., 1702 Arcade Bldg., St. Louis, Mo., $41,130. Grand total $234,830. Noted June 17.

La., New Orleans—Revetment—District Engineer 4th Dist., Mississippi River Comn., wooden revetment work in Baratair Levee Dist., to S. B. and H. A. Schoenberger, Triumph, $13,238; and in Lake Borgne Dist., to J. W. Bicks, 118 North Dupre St., $41,144. Noted June 24.

Missouri and Minnesota — Towboats — Inland Waterways Corp., Wash., D. C., 3 towboats for Upper Mississippi River Barge Line between St. Louis and Minneapolis, to Dubuque Boat & Boiler Co., Dubuque, Ia., at $165,000 each. Noted June 10.

Missouri — Revetment — U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 10,040 ft. revetment work on Missouri River, near Bon Homme Bend, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, $219,876.

P. I., Canacao—Elevator—Spec. 5167—Bureau Yards & Docks, Navy Dept., Wash.,

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Federal Government Work (Continued)

D. C., passenger elevators at U. S. Naval Hospital, here, to S. Heller Elevator Co., 218 Milwaukee St., Milwaukee, Wis., $12,175.

Unclassified

Proposed Work

Elimination of Grade Crossings — East Hamburg (mail Orchard Park), **N. Y.** — Erie Co. making surveys elimination of grade crossing over Buffalo, Rochester & Pittsburgh Ry. at Big Tree Rd., here. To exceed $50,000. G. C. Diehl, 575 Ellicott Sq. Bldg., Buffalo, engr.

Culverts—New Orleans, La.—Dept. Pub. Property, plans concrete culverts across South Claiborne Ave. to Louisiana Ave. and Poydras St. $61,500.

Overpass — Gibbs, Tenn. — State Dept. Highways & Pub. Wks., Nashville, C. N. Bass, highway comr., and Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., plan overpass over railroad tracks, on Martin-Union Rd., near here. To exceed $25,000.

Grandstand—Cleveland, O.—Luna Park Amusement Co., C. X. Zimmerman, pres., making preliminary plans timber grandstand, 20,000 seating capacity. Private plans.

Swimming Pool, etc.—Alton, Ill.—Election Aug. 20, $100,000 bonds, swimming pool and Riverfront Park Improvements.

Swimming Pool — Chicago, Ill. — See "Buildings—Commercial."

Park Improvements — Peoria, Ill. — Defeated $500,000 bonds, park improvements. M. G. Newman, pres. Park Bd. Noted May 6.

Lighting System—Oak Park, Ill.—Bd. Local Impvts. plans lighting system, incl. 3,693 lamps on ornamental posts 120 ft. apart on both sides various streets. $1,036,000. Randolph-Perkins Co., 31 South Clark St., Chicago, engrs.

Parks and Playgrounds—Jefferson City, Mo.—Defeated $50,000 bonds, parks and playgrounds. Noted July 8.

Fire Alarm System—Tacoma, Wash.—Making estimates complete fire alarm system, etc.

Track Removal—Long Beach, Calif.—Defeated $900,000 bonds, removing railroad tracks in business district and replacing pavements, etc.

Land Development, etc.—Texas—E. E. Dix & Sons, 321 Bedell Bldg., San Antonio, making plans developing 50,000 acres land in Jim Wells, Brooks and Hidalgo Counties, also deep wells, canning and packing plants, and 3 or 4 other buildings. $3,000,000-$4,000,000. Private plans.

Oil Pipe Line—Texas—Humble Pipe Line Co., San Angelo and Kempers, plans 125 mi. 18 in. pipe line from Crossett or McCamey to Kemper. $250,000. Private plans. Work may be done by day labor.

Lighting System—Asherton, Tex.—See "Waterworks."

Oil Pipe Line—Big Lake, Tex.—Marland Oil Co. making preliminary plans 75 mi. 8 in. oil pipe line from Upton Co. to Kemper. $300,000. Private plans. Work will be done by day labor .

Machinery — Galveston, Tex.—Galveston Electric Co., 21st and Ave. I, plans installing new machinery in plant, etc. $184,000. R. G. Tabor, c/o owner, engr.

Canal System—Newton, Tex.—H. J. L. Stark, Orange, plans canal system irrigating 32,900 acres land in Valley of Sabine River, near here. $300,000. Address owner.

Gas Line—Plainview, Tex.—G. R. Broadwell, Braniff Bldg., A. J. McMahan, Insurance Bldg., Oklahoma City, Okla., and R. A. Tipton, Amarillo, plans natural gas system, here. $30,000.

Steam Pump Station—San Angelo, Tex.—Marland Oil Co. plans steam pump station, Sect. 6, Block 35, Upton Co. $100,000. Private plans.

Elevated Viaduct—Oakland, Calif.—Key System Transit Co., 22nd and Grove Sts., plans elevated viaduct system for auto traffic between S. F. Bay and here; elevated system for Berkeley line over city of Emeryville, trestle carrying tracks from Emeryville shore to end of present mole. To exceed $2,000,000. Eng. Dept. of Owners, engrs.

Wharf—Oakland, Calif.—City made plans 1,020 ft. creosoted pile apron wharf, 32 ft. wide on outside and 900 ft. concrete wharf 224 ft. wide constructed in rear; also 2 railroad tracks on front apron and 3 tracks on rear apron. G. B. Hegardt, City Hall, port engr.

Bids Desired

Transit Stations—Boston, Mass.—Aug. 17, by Transit Dept., two 1 story, stone and steel transit stations, one at Savin Hill Ave., and other at Columbia Rd. $25,000. E. R. Springall, c/o owner engr..

Comfort Station—Brooklyn, N. Y.—Aug. 11, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, comfort station, at Manhattan Bridge Plaza.

Fire Alarm System—Long Island City, N. Y.—Aug. 9, by J. J. Dorman, fire comr., Municipal Bldg., New York City, portion underground fire alarm system, in Long Island City and Astoria.

Tracks, etc.—Long Island City, N. Y.—Aug. 13, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, installing tracks in 2 portions of Coney Island Yard and Culver Line connection, Brooklyn, and rail break castings for tracks on Flushing Bridge, Queens Boro.

Lighting Systems, etc.—Elizabeth, N. J.—Aug. 13, by Union Co. Park Comn., Administration Bldg., Warinanco Park, Acme and Canton Aves., electric parkway lighting for Warinanco Park, here and Roselle, Cedar Brook Park, Plainfield, and Echo Lake Park, Mountainside Boro; also for 100 octagonal c.i. lighting standards at Elmora siding of Central R.R., here. Runyon & Carey, 33 Fulton St., Newark, consult. engrs.; adv. E. N.-R. Aug. 5.

Fire Alarm System — Fort Lauderdale, Fla.—Aug. 23, by Mayor and Bd. City Comrs., fire alarm system. B. J. Horne, city mgr.; ad. E. N.-R. Aug. 5.

Wharf—West Palm Beach, Fla.—Sept. 9, by Bd. Comrs. Lake Worth Inlet Dist., Room 915, Comeau Bldg., 2,000 lin. ft. quay wall at Lake Worth Inlet Terminal; adv. E. N.-R. Aug. 5.

Alternators, etc.—Kenner, La.—Aug. 10, by City, furnishing and installing two 60 k.v.a. engine type alternators, with switchboard, etc. H. A. Mentz, Hammond, engr.

Fish Hatchery—Piqua, O.—Aug. 17, by C. V. Truax, dir. Dept. Agriculture, State House, Columbus, constructing series of ponds, here. $20,000. H. D. Briggs, Ohio-Hartman Bldg., Columbus, archt.

Fire Station—Elkhart, Ind.—Aug. 10, by City, constructing Fire Station 3. $30,000. A. H. Ellwood, Elkhart, engr.

Generators, etc.—Highland, Ill.—Aug. 20, by City, steam turbo uniflow engine driven generators with direct connected exciters, piping, etc. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, Mo., engrs.; adv. E. N.-R. Aug. 5.

Subway—Lyndon, Kan.—Aug. 20, by Clerk Osage Co., subway and concrete paving 0.011 mi. Federal Aid Project 266-F.

Grain Elevator — Kansas City, Mo. — Monarch Milling Co., Security Bldg., taking bids rein.-con., addition to grain elevator, 750,000 bu. capacity, here. $750,000. Heidenreich Eng. Co., 617 Kansas City Life Bldg., engr.

Freight Shed, etc., Oshawa, Ont.—Oshawa Ry. Co. taking bids 1 story, 45 x 170 ft. freight shed and office building. $55,000.

Bids Received

Heating and Ventilating—Foxboro, Mass.—Town, B. B. Bristol, chn. com., heating and ventilating in New High School, from T. J. Duff & Co., 99 East Dedham St., Boston, $17,063. Archts. est. $25,000. Noted July 22.

Swimming Pool and Shelter—Phila., Pa.—Dept. Pub. Welfare, Bureau of Recreation, July 23, 35 x 91 ft., rein.-con. swimming pool and 48 x 145 ft., brick and steel shelter, Rodney St. and Ferry Rd., from J. F. Cady, 3301 Ashbourne St., $29,935. Noted July 22.

Swimming Pool, etc.—Cleveland, O.—City, July 23, 1 story, 130 x 200 ft., rein.-con. swimming pool and bathhouse, from Natl. Concrete Mfg. Co., Union Mortgage Bldg., $102,910. Noted July 22.

Ornamental Lighting System—Los Angeles, Calif.—Ornamental street lighting system in Gardner St. between Rosewood and Beverly Blvds., from Electric Lighting Supply Co., 214 West 3rd St., $25,810; also on 11th St. between Main and Sentous Sts., from A. C. Rice, 1957 Santee St., $29,862.

Undergrade Crossing—South San Francisco, Calif.—State Hy. Comn., Sacramento, July 19, constructing undergrade crossing under Southern Pacific R.R. and South San Francisco Belt Railway, from J. Welch, $216,779. Engrs. est. $235,088. Noted July 8.

Contracts Awarded

Foundations — Worcester, Mass. — City, Pub. Building Dept., City Hall, foundations for 2 story and basement, brick and steel school, Nelson Pl., to C. T. Rocheford, 58 Front St. Archts. est. $150,000.

Crib and Dolphins—Providence, R. I.—City, Clerk's Office, renewal of Center Crib and Dolphins of Red Bridge, to W. V. Polleys, East Providence, $28,540.

Special Work — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of special work, Orders 33 and 34, to Ramapo Ajax Corp., 30 Church St., New York City. $38,093 and $27,290 respectively. Noted July 22.

Grand Stand — Swarthmore, Pa. — Swarthmore College, 31 x 137 ft. steel and stone grandstand, 14½ ft. high, plain foundation, to Barclay White Co., 1713 Sansom St., Phila.

Blast Furnace — Steubenville, O. — Wheeling Steel Corp., G. H. Hocking, secy., Wheeling Steel Corp. Bldg., Wheeling, W. Va., steel blast furnace, 700 ton capacity, here, to A. G. McKee Co., 2422 Euclid Ave., Cleveland.

Airplane Hangar—Lansing, Ill.—Ford Motor Co., Highland Park, Mich., 1 story, 124 x 125 ft., brick and steel airplane hangar, here, to R. Sollitt & Sons, 5 North La Salle St., Chicago. Noted May 27.

Culverts—Cedar Rapids, Ia.—See "Streets and Roads."

Ornamental Lighting System—Glendale, Calif.—City, ornamental street lighting system on Grandview Ave. and Glen Oaks Blvd., to City Lighting Plant, Glendale, $33,680. Noted July 20.

Foundation—Ontario, Calif.—See "Buildings—Industrial under Proposed Work."

Conduits—Montreal, Que.—Corporation of Montreal, underground conduits, to Atlas Constr. Co. Ltd., 37 Belmont St., $200,000.

Materials

Proposed Work

Junction Boxes, Cable, etc. — Seattle, Wash.—City soon takes bids 500 junction boxes, cable, etc.

Bids Desired

Structural Steel—Phila., Pa.—Aug. 12, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., structural steel for 75 ft. track scales, Contr. 22, 1026. A. C. Shand, Broad St. Sta., ch. chgr. for railroad.

Castings, Cable, etc.—Chicago, Ill.—Aug. 9, by Comrs. Gas & Electricity, Room 614, City Hall, ornamental base castings, lead covered cable, and lead covered fire alarm cable, etc. J. T. Miller, comr.

Gravel — Louisiana — Aug. 17, by State Hy. Dept., Baton Rouge, approximately 15,000 cu.yd. washed gravel for Moreauville-Bordelonville-Naples Highway, State Project 546, Avoyelles Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Culvert Pipe — Sigourney, Ia. — See "Streets and Roads."

Pipe—Vancouver, B. C.—Aug. 10, by City Council, 15,000 ft. 6 in. c.i. pipe. C. Brackenridge, City Hall, engr.

Bids Received

Tar and Oil — Toms River, N. J. — Bd. Freeholders Ocean Co., tar and oil for various roads, from S. S. Thompson, Herbert St., Red Bank, $10,450.

Contracts Awarded

Timber—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., timber and ties for construction rapid transit railroads, Order 15, to Robinson Lumber Co., 299 Madison Ave., $83,106. Noted July 29.

Lumber — Boston, Mass. — City, Supply Dept., 16,000 ft. 3 x 8 ft. hard pine lumber, planed one side, to G. McQueston Co., 27 Kilby St., $77 per M.

Road Oil—La Crosse, Wis.—C. C. Congdon, city engr., 5 tank cars each light and heavy road oil, to Standard Oil Co., 414 Sycamore St., Milwaukee, at $0.0625 per gal.

See proposal advertising on page 163

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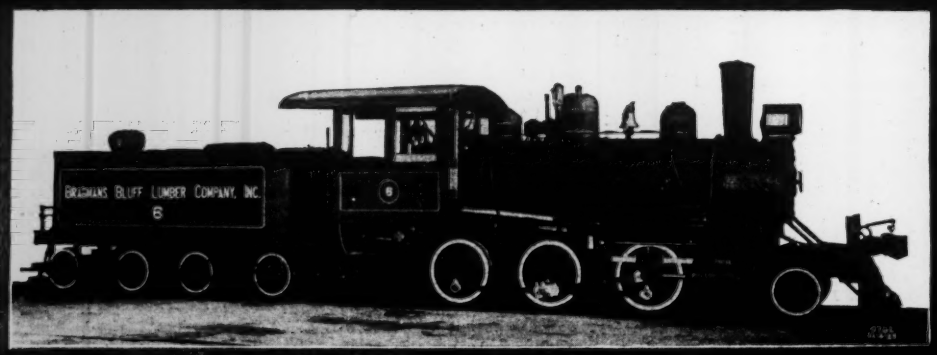

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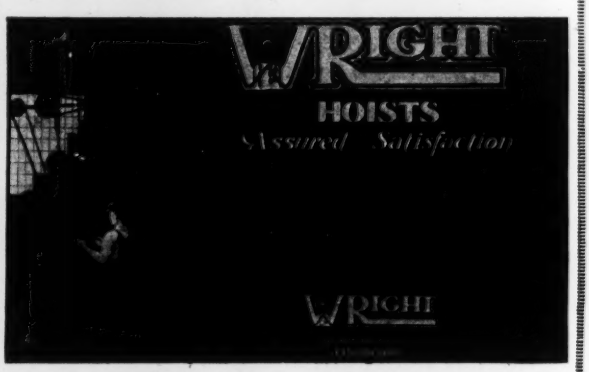

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